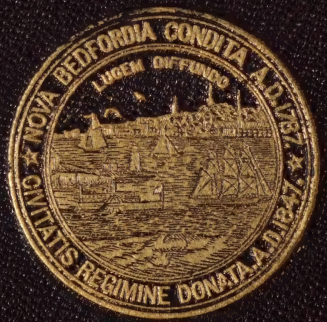
NOVA BEDFORDIA CONDITA A.D. 1787
LUCEM DIFFUNDO
CIVITATIS REGIMINE DONATA A.D. 1847

CITY DOCUMENTS.

MAYOR'S ADDRESS

TO THE CITY COUNCIL.

CITY GOVERNMENT,

ANNUAL REPORTS, ETC.,

FOR THE YEAR 1897-98.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

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1898—CITY DOCUMENT No. 1.

ADDRESS

OF

CHARLES S. ASHLEY,

MAYOR OF NEW BEDFORD,

TO THE

CITY COUNCIL,

January 3, 1898.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

ADDRESS.

Gentlemen of the City Council:

Having qualified as representatives of the people, in accordance with the time honored and approved custom, I take the liberty of addressing you briefly concerning the prospects and necessities of the city which we have been elected to serve.

From information supplied by the City Treasurer, the following facts relating to our financial condition appear, which I commend to your careful consideration.

FINANCIAL.

In my address to the City Council one year ago I strongly recommended that the financial year be changed from the first Monday in January to the first Monday in December; this recommendation having been favorably acted upon by the Council, I am enabled to present to you at this time a strictly correct account of our present financial standing.

TAXES.

The assessments for 1897 were as follows:

State tax,	$36,067.50	
County tax,	63,008.25	
City tax,	840,239.00	
Overlay,	34,002.35	
		$973,317.13
Collections,		929,456.38
Balance unpaid,		$43,860.75

About 4 5-10 per cent. of the taxes of 1897 remain unpaid; of the taxes of 1896 and previous years there was $20,975.73 collected.

The amount received from the State Treasurer in 1897 for corporation and other taxes was as follows:

Corporation taxes,	$52,341.51	
Tax of bank stock, non-resident,	2,857.75	
Tax on ships in foreign trade,	829.14	
		$56,028.40

This was $6,356.61 less than the amount received in 1896, and from present indications it will be much less in 1898, due entirely to the depreciation of the values of mill and other stocks owned by residents of this city.

By an order of the City Council in 1897, $20,000—from the receipts from corporation taxes, was applied to the the discount on taxes,—the balance, $36,028.40, was placed to the credit of unappropriated funds, as shown by the treasurer's statement, which follows:

RECEIPTS AND EXPENDITURES.

The receipts and expenditures for the year, including balance in the treasury January 4, 1897, were as follows:

Balance January 4, 1897,	$396,379.93	
Taxes of 1897 and previous years,	793,363.85	
Liquor licenses, net,	79,556.25	
Temporary loan,	400,000.00	
Water works rates and other sources,	110,220.65	
From other sources,	908,711.77	
		$2,688,232.45

EXPENDITURES.

Temporary loan,	$920,105.00	
Public debt, principal and interest,	207,607.13	
Sinking funds,	73,860.00	
Other purposes,	1,342,407.91	
Balance cash in treasury,	144,252.41	
		$2,688,232.45

The appropriations in 1897 for public debt, principal and interest, were $145,000; amount received from commissioners of sinking funds, to pay maturing bonds, $35,000; from water rates, to pay maturing water bonds and interest, $30,000; the balance, unexpended, $2,392.87 was placed to the credit of unappropriated funds.

APPROPRIATIONS, GENERAL, 1897.

Public debt,	$145,000.00	
Sinking funds,	72,860.00	
Municipal departments,	672,412.00	
		$890,272.00

APPROPRIATIONS, SPECIAL.

Balance of special appropriations, 1896,		54,629.86
1897.		
Addition to repair shop, No. 4 engine,	$4,070.39	
Almshouse changes,	14,500.00	
Land damages, Purchase street,	16,530.00	
Land damages, Cove and other streets,	10,977.11	
Police and polling station,	3,000.00	
Police and polling station, building,	17,060.00	
Public schools, kindergarten,	1,800.00	
Schoolhouse, Brock avenue,	30,992.00	
Schoolhouse, same, heating, etc.,	4,144.60	
Schoolhouse, Dunbar school, furnishing,	2,300.00	
Schoolhouse, Phillips avenue, furnishing,	2,500.00	
Schoolnouse, same, curbing,	1,349.00	
Schoolhouse, Shawmut avenue and Maitland street (lot),	2,956.84	
Semi-centennial,	8,000.00	
Sundry departments,	36,800.00	
Sundry sewers,	34,667.00	
Temporary bridge, Fish to Pope's islands,	9,850.00	
Textile schools,	25,000.00	
		226,496.94
Total, including specials of 1896,		$1,171,398.80

Balance of appropriations general 1891,	$2,073.78	
Balance of appropriations general 1892,	8,142.28	
Appropriations special 1896,	54,629.86	
Appropriations special 1897,	226,496.94	
		$291,342.86
Less balance to credit of unappropriated funds,		92,422.92
Balance of special appropriations 1897 to be provided for,		$198,919.94

The special appropriations of 1896 were $253,612.41.

UNAPPROPRIATED FUNDS.

Total receipts of 1897 placed to credit of unappropriated funds,	$221,299.96	
Unexpended balances from sundry departments,	65,102.58	
		$286,402.54

TRANSFERRED FROM UNAPPROPRIATED FUNDS.

Appropriations general 1897, by the assessors, estimated receipts.	$50,000.00	
Election funds,	5,500.00	
General sewers,	8,900.42	
Incidentals,	1,750.00	
License Commission,	200.00	
Sinking funds, wharf bonds,	1,040.00	
Sundry departments,	126,510.00	
Tomb, Rural cemetery,	79.20	
		$193,979.62
Balance to credit of unappropriated funds,		$92,422.92

MUNICIPAL DEBT.

The public debt at this date is as follows:

Water loan,	$1,680,000.00	
Park loan,	100,000.00	
Wharf bonds,	52,000.00	
		$1,832,000.00

Schoolhouse bonds,	$128,000.00	
Improvement bonds, 6s,	150,000.00	
Improvement bonds, 4s,	672,000.00	
		950,000.00
Sewer bonds, 4s,	$550,000.00	
Sewer bonds, 3½s,	75,000.00	625,000.00
Gross bonded debt,		$3,407,000.00

TRUST FUNDS.

Sylvia A. Howland bequest,	$100,000.00	
Library and other funds,	42,000.00	$142,000.00
		$3,549,000.00
Special appropriations 1897, balance,		198,919.94
Total debt, including specials 1897,		$3,747,919.94

DEDUCT ASSETS.

Due from State, soldiers aid,	$11,306.14	
Betterments, sewer taxes, etc.,	12,600.00	
Taxes collectable,	41,000.00	
Sinking funds,	530,217.00	
Balance of cash,	144,252.41	
		$738,775.55
Net debt, Jan. 3, 1898,		$3,009,144.39
Net debt, Jan. 4, 1897,		2,713,138.08
Increase during the year,		$296,006.31

LIMIT OF DEBT.

Gross bonded debt, as stated,		$3,407,000.00
Deduct:		
Water loan,	$1,680,000.00	
Park loan,	100,000.00	
Wharf loan,	52,000.00	
Sinking funds,	530,217.00	
		2,362,217.00

Net bonded debt, exclusive of water, park and wharf loans and sinking funds,	$1,044,783.00
Two and one half per cent. of the average valuation by the assessors for the three previous years, $55,440,846.00	$1,386,021.15
Net debt as above stated,	1,044,783.00
Short of bonded debt limit,	$341,238.15
Less special appropriations 1897 to be provided for,	198,919.94
Short of debt limit after providing for specials of 1897,	$142,318.21

The requirements in 1898 for public debt will be, for principal, $45,000, interest, $132,691, a total of $177,691. Of this sum, $15,000 is to be paid by the commissioners of sinking funds for maturing bonds due April 1, 1898, about $25,000 will be paid from water rates, for bonds and interest due October 1, next, leaving a balance of $137,691 to be added to the tax levy of the year.

The requirements for sinking funds will be $105,482—minus $78,782—to be raised by taxation, the balance, $26,700, to be paid from water rates, for water bonds issued, mostly for the new supply.

Estimated income for 1898, exclusive of amounts required for public debt and sinking funds.

From taxation for municipal purposes, $12 per $1,000, on valuation by the assessors of 1897, $57,789,798.00		$693,477.57
UNAPPROPRIATED FUNDS.		
From liquor licenses,	$55,950.00	
From corporation and other taxes,	43,600.00	
From other sources,	51,000.00	150,550.00
		$844,027.57
Amount to which the debt may be extended,		142,319.21
Total including debt limit,		$986,346.78

The amounts required for public debt, principal and interest, and for sinking funds, may be appropriated in addition to the above.

THE SCHOOL DEPARTMENT.

The school department of the city is one of the greatest importance, not only on account of the money required to maintain it, but more because of its work.

To it is entrusted the education of our youth, and the the character of this training will be reflected in our future citizens. New Bedford has long been noted for good schools, and to-day there are none in this commonwealth that are more progressive or more efficient. It is a pleasure to state that previous recommendations by me concerning the adoption of kindergartens have borne fruit the past year. Three are now maintained, and more should be added when provision can be made for them.

But to carry on the schools in accordance with modern ideas of sanitation and instruction is expensive. The net cost the past year was $184,389.45. Had the fiscal year been twelve months instead of eleven, the cost would have been about $194,000. This is exclusive of the cost of new buildings, but includes their furnishings. Two eight-room brick schoolhouses were completed during the year and occupied; one more is under construction at Clark's Point. But these new buildings do not furnish the accommodations needed. Several buildings are hired now to take care of overflow pupils. There is pressing need for a new schoolhouse in the southeast part of the city, near Potomska street; one is needed in the northwest part, and should be built as soon as possible on the lot already purchased for the purpose; another is needed north of Cedar Grove street, as every room is full in the schools in that district.

These conditions should receive the attention of the City Council at once. It surely is incumbent upon the city to furnish a sufficient number of schoolhouses to provide adequately for the children seeking admission to the schools, and is true economy for it to do so.

FIRE DEPARTMENT.

The fire department of the city has sustained its good reputation for promptness and efficiency. The apparatus and other equipment is in good condition, and the addition of permanent men has greatly improved the service. During the year there have been sixty-three bell alarms and ninety still alarms, a total of one hundred and fifty-three.

The total losses from fire approximate $66,000. The serious and fatal fire at the Acushnet mill, February 27th, is partly responsible for the apparent heavy loss.

The matter of better fire protection at the west end should receive early attention, and if practicable, a building should be erected there and equipped with a chemical engine and hose wagon.

POLICE DEPARTMENT.

The police department as at present commanded and officered is efficient and satisfactory.

I believe its members are faithful and honest in the discharge of their duties, and that the present force is adequate to our present needs.

POOR DEPARTMENT.

One of the most important departments of the city is that having charge of the care of the poor, and a generous policy commensurate with its necesssities and the financial ability of the city should be practiced toward it.

The employment of two physicians by the Overseers of the Poor, as recommended last year, appears to have met a striking necessity.

In 1896 the physician made 1,721 house visits, 115 visits to the almshouse, and received 442 office visits. Last

year two physicians, at a slight increase of expense to the city, made 4,527 house visits, 207 visits to the almshouse, and received 996 office visits.

The matter of a new city hospital at the almshouse or elsewhere seems an object worthy of your early consideration.

BUILDING STATISTICS.

The number of building permits granted during the year was 797, at an estimated cost of $1,357,395. Three hundred and fifty-six buildings, including 56 stores and 699 tenements, were actually erected at an estimated cost of $862,000.

It is gratifying to note that a better class of buildings, have been erected this year. The new city buildings in course of construction, and the many necessary repairs and additions which have been made to the old buildings have received the careful attention of the inspector of buildings.

WATER WORKS.

The work of this department has required a great deal of care and attention, but its affairs have run very smoothly during the past year.

The building of new houses in all parts of our city has added quite largely to the distributing system.

The length of the distributing mains has been increased about 3½ miles.

This includes the extending of a supply to the almshouse, which is a much needed improvement.

All the cement lined wrought iron mains have now been removed, with the exception of two sections of small pipe located in Cottage street. It is recommended that this be replaced with cast iron pipe previous to the introduction of the extra pressure of the new supply.

Good progress has been made in the work of the "Further Supply."

It is now possible to get a good idea of the extent of the undertaking and the appearance of the whole plant, as it has been from time to time outlined to you through the various reports of the Water Board.

All work located between the Quittacus pumping plant and this city, is now practically completed. This includes the 48-inch steel force main through which the water is to be forced from the Quittacus ponds to the High Hill reservoir; the High Hill reservoir, with its necessary chambers and other appurtenances, and the large cast iron distributing main which forms the connecting link between that reservoir and the city. These parts, however, cannot be operated until the completion of the pumping plant at Little Quittacus. At this place considerable difficulty was encountered in securing a suitable foundation for the buildings and engines. In consequence this work did not proceed very satisfactorily during the spring and summer months. Upon its completion early in October, immediate attention was given the superstructure, which has been raised quite rapidly, and the engine house and boiler house are now about ready to be closed in.

While the foundations of the engines have been ready for some time, the builders of them are disappointing in their work. According to the latest report it will be several months before the arrival of the first engine.

The intake from the pond into the pump well, the connection between Great and Little Quittacus ponds, and the Pockshire dam will all be fully completed by early fall, and it will be the earnest endeavor of the Water Board to have all of the many parts in condition for the delivery of water through the new system before the close of the year.

ENGINEERING DEPARTMENT.

The gross expenditures of this department for the past year were $9,318.67, from which should be deducted credits to unappropriated funds of $82.10, making the net expenditures for the year $9,236.57.

GRADE CROSSINGS.

Among the many important problems confronting you at the present time, that for the elimination of the grade crossings of the Old Colony railroad deserves immediate attention.

The investigation of this subject commenced in 1894, was brought to a conclusion during the past year, by the acceptance by the Council of a general plan which provides for the abolition of all the crossings named in the petition of the city. This plan was presented to the grade crossings commission June 9th, 1897, but up to the present time no action has been taken by this body.

The statutes provide that this special commission shall decide upon the method to be adopted for the elimination of the crossings. But the importance and far reaching effect of the proposed changes require that ample opportunity should be given to all whose interests are concerned, for a full discussion of the details of the various plans that are possible. In view of the injury now being done to public and private development by the present delay, I am in favor of taking immediate action to secure the reopening of the hearings before the commission. To this end I recommend the appointment of a small committee to consist of the Mayor, President of the Common Council, one alderman and two councilmen to secure the prompt execution of the above recommendation.

Further detail of this department may be found in the report of the city engineer.

SEWERS.

During the past year we have constructed 19,362 feet of sewers, at a cost of $35,102.01, making a net increase in the length of our sewer system of 16,926 feet, the difference between the length constructed and the net increase to system being due to the relaying and reconstruction of 2,436 feet of old sewers, at a cost of over $11,000. This is a matter which deserves most serious consideration, for while our sewer system has always been a source of great credit to our city, it is nevertheless a fact that we are rapidly outgrowing a considerabe portion of it. The heavy rains of the past year clearly demonstrated that many of the older sewers were of insufficient capacity. In considering the relation of rainfall to sewer capacity it must be remembered that during the last ten years we have doubled the area of our paved streets and the number of catch basins, thus delivering to the sewers in a shortened space of time a largely increased proportion of the rainfall. Future extension of our paved streets must still further increase this trouble. This lack of capacity of many of the sewers has been still further emphasized by the numerous complaints of the flooding of cellars which have been made after every storm of any intensity. In addition to the damage to private interests, the streets adjacent to these sewers are seriously washed and gulled so that after every heavy rain large expenditures are necessary to repair this damage caused by the inability of the sewers to promptly care for the water that is delivered to them from the streets.

During the past year heavy claims for damages were only avoided by prompt action on the part of the city in reconstructing several old sewers where the trouble from flooding had been the most serious; but careful investigation has satisfied me that it can only be a question of a

short time when the city will be obliged to expend a large amount of money for the purpose of enlarging its present trunk sewers and providing a more modern system of discharge. The sewers requiring enlargement or additional construction are now under careful investigation, the results of which will be laid before you early in the year for the necessary appropriations to carry out such portions of the construction as are considered imperatively necessary. In regard to the sewage discharge, I will state that at present, the city has no less than 26 outlets into the Acushnet river, three into the lower harbor and five into Clarks cove. Those emptying into the river have already been a source of considerable expense to the city for dredging the docks wherein they discharge, and will continue to be so, as several claims for damages are now pending against the city. This is the financial side of the question, but sooner or later this whole system of discharge will become a serious menace to the health of the city.

The only permanent relief for this situation is the construction of an intercepting sewer along the river front with sufficient capacity for the sewage of to-day and for any probable demand of the future. While the necessity for this has been foreseen for a number of years, it is only natural that action should have been delayed on account of the large expenditure of money which it involves. In my opinion, it would be far better to begin this work immediately and spend each year a sufficient amount to provide relief for the more thickly settled portion of the city within, say, the next five years.

The first step towards an intelligent solution of this question is a careful engineering investigation and the preparation of complete plans and estimates for the entire system. To this end I recommend that the city engineer be instructed to proceed immediately to make a full investi-

gation and report at the earliest date possible. I have every reason to believe that a conclusion can be reached in ample time to enable construction to commence during the coming summer.

It is impossible to entirely relieve a considerable territory in the lower portion of the city from being flooded during heavy rains that occur at high tides, except by raising the streets and the adjacent property. Several streets have been raised during recent years. First street, from Howland street to Grinnell street, has just been completed. This has been accomplished by an amicable agreement with the abutters, relieving the city from the payment of damages and securing to the citizens in this portion of the city a most desirable improvement. If owners of property adjoining the rest of these low streets will continue to meet the city half way in her efforts to improve their condition, it will only take a few years to raise the rest of the streets and adjacent property above all danger from high tides.

HARBOR IMPROVEMENTS.

The natural advantages of the location of New Bedford was the origin of her prosperity in the whaling industry. With the decay of this industry and the growth of our newer one, that of cotton manufacturing, we have allowed ourselves to forget, apparently, that our location and our harbor are just as much of an advantage to-day as ever. That others see the valuable possibilities of our long water front is shown by the action of the United States war department in changing the location of the channel through the new bridge so as to provide for the construction of a drawspan with two openings each one hundred feet wide; making it in point of fact the largest bridge of its kind east of New London. Certainly this

was not necessary to meet the present necessities of commerce north of the bridge. The natural conclusion is, that it was to meet the requirements of a future development, which the situation justifies one in the belief will surely come. It should be our aim, therefore, to take the necessary steps to provide that all future construction along our water front should be upon modern lines, with the object in view of meeting the requirements of the future as well as those of the present. I therefore recommend that your petition the Board of Harbor and Land Commissioners to thoroughly investigate our situation and establish bulkhead and pier lines to take the place of the present harbor lines established in 1848 for a commerce which has long since passed away. I also recommend that you take the necessary steps to insure that the appropriation by Congress for dredging the new channel shall be ample to extend the same both north and south of sufficient depth and width to meet at least all immediate requirements.

STREET FRANCHISES.

The future is pregnant with important questions involving works of a public nature now carried on by private corporations and requiring special rights of grants and franchises in the public streets for their operation.

The streets of the city belong to the people, and every effort by a private corporation to secure or continue over them exclusive rights should be the subject of rigid inquiry. Corporations enjoying special privileges therein should compensate the city fully for such particular advantages.

The City Council, within its province, should leave nothing undone to secure to the city every right growing out of francises granted or contemplated in relation to the use of the streets.

During the past year an attempt to ascertain the claims and rights of the parties under the franchises of the street railway company was frustrated by the company taking advantage of a slight legal technicality. This matter should be pursued to a conclusion.

BOARD OF PUBLIC WORKS.

Opinions formerly expressed by me in relation to the conduct of this important branch of our municipal government, which yearly expends enormous sums of money, gain added force as time passes.

Past events, the creation of vacancies, the making of appointments and the distribution of patronage, actuated solely by political stimulus, dispose of the claim that the manner of selecting its members and the methods of business of the board of public works cannot be improved upon.

I but repeat an opinion previously expressed, that this board should be composed of a member from each ward, elected by the people, paid a nominal salary, and with terms of office so arranged that one or two or more should be elected each year.

The park commission should be independent and distinct from the board of public works, and its members should be elected by the people.

THE LICENSE COMMISSION.

The continuance in office, by judicial authority, of the members of this irresponsible commission, upon which a pronounced political majority of the people of this city has not even a minority representation, is one of the phenomena of our modern political life.

The legislator in an effort to remove the liquor traffic from political influences, has made matters worse and robbed the people of another right.

I cannot believe that the creating power contemplated a so-called bi-partisan commission, upon which but one municipal party, standing for a minority of the people, is represented; or a commission which can and does wield a powerful, though passive political influence over men interested in the liquor business; or a commission so far removed from the people that its records and transactions are secure from inspection, even by the chief magistrate of the city.

I do believe that the method of granting licenses, and the license commission, as at present constituted and provided, are wrong in theory, system and practice. The law establishing this commission should be repealed, or so amended as to provide for the election of the commissioners by the people.

NEW CITY BUILDING.

The matter of erecting a new municipal building for the accommodation of the city offices, though under consideration for several years, has been regularly deferred, owing to the financial condition of the city. While our financial condition has not improved, our necessities have increased until the cost of supplying office conveniences for the various departments outside of the public buildings exceeds $5,000 a year for rent alone. The disadvantages of separating the various branches of the City Government are obvious. A stranger having business with several departments would require considerable direction and information to locate the various detached offices made necessary by the lack of a suitable public building. All of the city offices should be accommodated in one building, centrally located and adapted to modern municipal requirements.

I recommend that a special committee of the City Council be appointed to report a plan or scheme for the erection of a new City Hall.

CONCLUSION.

Gentlemen of the City Council:—A year of grave responsibility is before us. We should heartily co-operate in every measure looking to the welfare of the city, bringing to our new official duties that conscientious regard for the rights and property of the people, that a prudent man would give to his own affairs.

Although the present margin is $142,318, as against about $74,000 last year, the near approach to the statutory debt limit should be a constant reminder of the care necessary in making appropriations.

While pursuing a progressive policy, let there be an exercise of that practical economy that comes of wise expenditures.

Our common purpose should be to serve the people faithfully and merit the trust and confidence which has selected us to be the guardians of the interests of the city.

1898—CITY DOCUMENT No. 2.

CITY GOVERNMENT,

1898.

MAYOR.

HON. CHARLES S. ASHLEY.

ALDERMEN.

Ward 1—HENRY P. JENNEY.
Ward 2—LOUIS Z. NORMANDIN.
Ward 3—CHARLES H. BROWNELL.
Ward 4—CHARLES H. LAWTON.
Ward 5—MANUEL V. SYLVIA.
Ward 6—CHARLES E. ELLIS.

CITY CLERK.

DANIEL B. LEONARD.

CITY TREASURER AND COLLECTOR OF TAXES.

JAMES H. HATHAWAY.

CITY AUDITOR.

CHARLES J. McGURK.

CITY MESSENGER.

AUGUSTUS D. PIPER.

COMMON COUNCIL.

PRESIDENT—STEPHEN A. BROWNELL.

Ward One.

JAMES DAVIDSON,
ERNEST FINDEISEN,
JOSEPH MAGNANT,
JOSEPH H. SULLIVAN.

Ward Two.

WILLIAM BAMFORD,
CRAWFORD L. DUNHAM,
SAMUEL HIGHAM,
MARK E. SULLIVAN.

Ward Three.

MYRON W. BROWNELL,
WILLIAM L. CHADWICK,
OLIVER B. DAVIS,
JOHN L. G. MASON.

Ward Four.

STEPHEN A. BROWNELL,
ABBOTT P. SMITH,
WILLIAM SMITH,
JOHN A. TAYLOR.

Ward Five.

ROBERT L. BAYLIES,
JOSEPH DIAS,
PHILIP C. RUSSELL,
FREDERICK D. STETSON.

Ward Six.

ROBERT COOKE,
GEORGE N. GARDINER,
EDWARD F. PENNEY,
JOHN WELCH.

Clerk—WILLIAM A. MACKIE.

STANDING COMMITTEES OF THE BOARD OF MAYOR AND ALDERMEN.

Police—The Mayor, and Aldermen Normandin and Ellis.

Licenses—Aldermen Ellis, Lawton and Normandin.

Burial Grounds—Aldermen Sylvia, Lawton and Jenney.

Enrollment—Aldermen Lawton, Ellis and Brownell.

Soldiers' Aid—The Mayor, and Aldermen Brownell and Lawton.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Finance—The Mayor, and Alderman Lawton, the President of the Common Council, and Councilmen Findeisen, Dunham, Mason, Baylies and Gardiner.

Audit—Aldermen Jenney and Sylvia, and Councilmen Higham, William Smith and Penney.

City Property—Aldermen Brownell and Jenney, and Councilmen A. P. Smith, Welch and Gardiner.

Fuel—The Mayor, and Alderman Ellis, and Councilmen Davis, Dias and Cooke.

Education—Aldermen Lawton and Normandin, and Councilmen Chadwick, Stetson and Russell.

Fire Department—Aldermen Sylvia and Ellis, and Councilmen Davidson, Dunham and Taylor.

Charities, Almshouse and the Poor—Aldermen Sylvia and Brownell, and Councilmen Bamford, William Smith and Welch.

Street Lights—Aldermen Jenney and Normandin, and Councilmen M. E. Sullivan, Cooke and Penney.

Printing—Alderman Brownell, and Councilmen Dunham and M. E. Sullivan.

Buildings in the Fire Districts—Aldermen Lawton and Sylvia, and Councilmen Magnant, Mason and A. P. Smith.

Armories and Military Property—Aldermen Normandin and Ellis, and Councilmen Joseph H. Sullivan, Taylor and Gardiner.

Water Works and Water Supply—Aldermen Jenney and Brownell, and Councilmen Joseph H. Sullivan, Findeisen and A. P. Smith.

Claims—Aldermen Sylvia and Lawton, and Councilmen Magnant, Higham and Mason.

Ordinances—Aldermen Ellis and Normandin, and Councilmen Chadwick, M. W. Brownell and Russell.

Wharves—Aldermen Lawton and Ellis, and Councilmen Davidson, Joseph H. Sullivan and Penney.

STANDING COMMITTEES OF THE COMMON COUNCIL.

Election and Returns—Councilmen Bamford, M. W. Brownell and Stetson.

Bills in Second Reading—Councilmen Davis, Baylies and Dias.

Enrolled Ordinances—Councilmen Chadwick, Russell and Dias.

ASSESSORS.

Office, Library Building, Room 6.

CHARLES H. L. DELANO, Chairman, 2 years.
CHARLES F. SHAW, 3 years.
CHARLES D TUELL, 1 year.

ASSISTANT ASSESSORS.

Ward 1—JOHN H. FINNELL,
Ward 2—ARTHUR B. CHAPPELL.
Ward 3—HENRY C. RUSSELL.
Ward 4—GIDEON H. ALLEN.
Ward 5—WILLIAM J. ABRAMS.
Ward 6—ADOLPH P. LAGASSE.

BOARD OF HEALTH.

Office, 52 Pleasant Street.

THOMAS W. COOK.	Term expires February, 1899.
WILLIAM G. KIRSCHBAUM,	Term expires February, 1900.
JOHN T. BULLARD,	Term expires February, 1901.

THOMAS W. COOK, Chairman.

WILLIAM E. BROWNELL, City Physician and Quarantine Physician.

CLERK.

SUSIE J. SMALL.

HEALTH INSPECTOR.

WILLIAM E. MACOMBER.

INSPECTOR OF PLUMBING.

LOUIS H. RICHARDSON.

NEW BEDFORD WATER WORKS.

NEW BEDFORD WATER BOARD.

His Honor, CHARLES S. ASHLEY, Mayor, *ex officio* President.

STEPHEN A. BROWNELL, President of Common Council, *ex officio*.

DAVID B. KEMPTON,	Term expires June, 1898.
EDMUND WOOD,	Term expires June, 1899.
THOMAS B. TRIPP,	Term expires June, 1900.

CLERK.

ROBERT C. P. COGGESHALL.

WATER REGISTRAR.

JAMES H. HATHAWAY.

Office, Room 2, Library Building.

SUPERINTENDENT.

ROBERT C. P. COGGESHALL,

Office, City Hall Building.

INSPECTOR.

CLIFFORD BAYLIES.

Office, Room 2, Library Building.

COMMISSIONERS OF SINKING FUNDS.

EDWARD S. BROWN,	Team expires March, 1899.
WILLIAM H. PITMAN,	Term expires March, 1900.
ANDREW R. PALMER,	Term expires March, 1901.

ANDREW R. PALMER, Chairman.

JAMES H. HATHAWAY, Secretary and Treasurer.

OVERSEERS OF THE POOR.

CHARLES S. PAISLER, Chairman,	Term expires May 1, 1899.
THOMAS G. WING,	Term expires May 1, 1900.
A. H. W. CARPENTER,	Term expires May 1, 1901.

Secretary—THOMAS G. WING.

Messenger—AUGUSTUS A. WOOD.

Clerk—ELLA F. BUCKLYN.

Supt. Almshouse and Farm—AXEL H. JACKSON.

Physicians—EDWARD W. DEHN, GEORGE F. LEWIS.

FREE PUBLIC LIBRARY.

TRUSTEES.

Ex-officio. Terms expire January, 1899.

CHARLES S. ASHLEY, Mayor of the City.

STEPHEN A. BROWNELL, President of the Common Council.

CHARLES H. LAWTON, Alderman and Chairman of the Committee of the City Council on Education.

Elected by the City Council.

WALTER S. ALLEN,	Term expires April, 1899.
WILLIAM L. SAYER,	Term expires April, 1899.
ISAAC B. TOMPKINS, JR.,	Term expires April, 1900.
MATTHEW C. JULIEN,	Term expires April, 1900.
LEMUEL LEB. HOLMES,	Term expires April, 1901.
FRANCIS M. KENNEDY,	Term expires April, 1901.

PRESIDENT OF THE BOARD.

THE MAYOR.

CLERK.

WILLIAM L. SAYER.

COMMITTEES.

On the Library—Messrs. JULIEN and HOLMES.
On Finance—Messrs. ALLEN and TOMPKINS.
On the Building—Messrs. TOMPKINS and SAYER.

LIBRARIAN.

ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN.

B. W. PENNOCK.

ASSISTANTS.

JOSEPHINE A. MERRICK, SUSIE H. GAMMONS,
ETTA F. LAWRENCE, FLORENCE E. FARWELL,
ANNA H. DEWOLF.

JANITOR.

YORICK W. AMES.

BOARD OF PUBLIC WORKS.

Office, Odd Fellows Building.

His Honor, CHARLES S. ASHLEY, Mayor, *ex officio* Chairman.
STEPHEN A. BROWNELL, President of the Common Council *ex officio*.

JOHN ELDRIDGE, JR.,	Term expires May 1, 1899.
MORGAN ROTCH,	Term expires May 1, 1900.
F. WILLIAM OESTING,	Term expires May 1, 1901.

CLERK.

WILLIAM S. COOK.

SUPERINTENDENT.

CHARLES F. LAWTON.

SUPERINTENDENT OF BRIDGE AND DRAW TENDER.

WILLIAM DOWNEY.

CITY SOLICITOR.

BENJAMIN B. BARNEY.

CEMETERY BOARD.

CHARLES H. VINAL,	Term expires May 1, 1899.
JAMES DELANO,	Term expires May 1, 1900.
JOHN G. NICHOLSON,	Term expires May 1, 1901.

Chairman—JAMES DELANO.
Secretary—CHARLES H. VINAL.

SUPERINTENDENT.

CHARLES F. CORNELL.

SEALER OF WEIGHTS AND MEASURES.

JOHN N. O'BRIEN.

SUPERINTENDENT OF PUBLIC BUILDINGS AND BUILDINGS IN THE FIRE DISTRICTS.

EDMUND O'KEEFE.

INSPECTOR OF BUILDINGS.

EDMUND O'KEEFE.

SUPERINTENDENT OF CITY CLOCK.

WILLIAM B. WOOD.

CITY BELL RINGER.

OTHELLO S. DRISKELL.

CITY ENGINEER.
WILLIAM F. WILLIAMS.

HARBOR MASTER.
CHARLES H. CRAGEN.

INSPECTOR OF PETROLEUM AND VINEGAR.
FRANK R. DELANO.
Office, No. 17 Middle Street.

INSPECTOR OF MILK, ANIMALS AND PROVISIONS.
DANIEL C. ASHLEY.
Office, Southeast Corner Acushnet Avenue and Elm Street.

SUPERVISOR OF WIRES.
DANIEL D. BRIGGS.

REGISTRARS OF VOTERS.

WILLARD N. LANE,	Term expires May, 1899.
JOHN A. GOMLEY,	Term expires May, 1900.
EMANUEL SULLAVOU,	Term expires May, 1901.

WILLARD N. LANE, Chairman.
DANIEL B. LEONARD, Clerk.
Office, Basement City Hall Building.

PRECINCT OFFICERS.

Term of office expires Nov. 1, 1898.

WARD ONE, PRECINCT ONE.

Warden,	DANIEL J. SULLIVAN, D.
Clerk,	GEORGE B. BORDEN, R.
Inspector,	EDWARD P. CANNY, D.
"	EDWARD C. TABER, R.
"	MICHAEL E. DALEY, D.
"	CHARLES T. BROWNELL, R.

Deputies.

Warden, JOHN K. SMITH, D.
Clerk, CALEB SLADE, R.
Inspector, FREDERICK C. DUNHAM, D.
" WILLIAM F. CHASE, R.
" ERNEST A. DUNHAM, D.
" EDWARD HUGHES, R.

WARD ONE, PRECINCT TWO.

Warden, GEORGE W. HILLMAN, R.
Clerk, PETER F. SULLIVAN, D.
Inspector, DAVID C. McWHINNIE, R.
" JOHN E. MURPHY, D.
" HENRY H. HACKING, R.
" DANIEL J. CONNOLLY, D.

Deputies.

Warden, JOSEPH C. PATNAUDE, R.
Clerk, JOSEPH CHAUSSE, D.
Inspector, MICHAEL F. HARLOW, R.
" PATRICK J. MAHONEY, D.
" WILLIAM W. PEASE, R.
" SAMUEL J. SMITH, D.

WARD TWO, PRECINCT THREE.

Warden, GEORGE P. MACOMBER, R.
Clerk, LAWRENCE H. BARNEY, D.
Inspector, CHARLES T. BURGESS, R.
" BENJ. F. HATHAWAY, JR., D.
" CHARLES L. FAUNCE, R.
" ASA L. H. ALLEN, D.

Deputies.

Warden, EDWARD H. CARTER , R.
Clerk, MICHAEL McDONNELL, D.
Inspector, EDWIN WHITTAKER, R.
"
" GEORGE E. SAXON, R.
" DENNIS H. TOOMEY, D.

WARD TWO, PRECINCT FOUR.

Warden, GEORGE K. DAMMON, R.
Clerk, JOHN N. O'BRIEN, D.
Inspector, JAMES H. BAMFORD, R.
" JAMES P. FITZGERALD, D.
" WILLIAM M. HIGHAM, R.
" JOSEPH P. H. CLARKE, D.

Deputies.

Warden, WARREN P. TOBEY, R.
Clerk, THOMAS J. MURPHY, D.
Inspector, PHILIP R. KING, R.
" PETER J. RILEY, D.
" JAMES C. McNUTT, R.
" WILLIAM J. GLASCOW, D.

WARD THREE, PRECINCT FIVE.

Warden, JOSHUA B. ASHLEY, JR., D.
Clerk, MYRON W. BROWNELL, R.
Inspector, HENRY F. HAMMOND, D.
" WILLIAM T. CASWELL, R.
" OBED S. COWING, D.
" AUGUSTUS G. MOULTON, R.

Deputies.

Warden, HENRY SMITH, D.
Clerk, HARRY E. BORDEN, R.
Inspector, JOSHUA G. LAPHAM, D.
" PRINCE S. BORDEN, R.
" JOHN O'NEIL, D.
" CALEB G. SHEPHERD, JR., R.

WARD THREE, PRECINCT SIX.

Warden, DAVID B. PEIRCE, D.
Clerk, B. FRANKLIN WORDELL, R.
Inspector, TIMOTHY CROWLEY, D.
" STEPHEN HAFFORD, JR., R.
" WILLIAM W. ATWOOD, D.
" CHARLES L. RICKETSON, R.

Deputies.

Warden, WILLLIAM E. COOPER, D.
Clerk,
Inspector, MICHAEL A. BAKER, D.
" "
" ANDREW F. MITCHELL, D.
" "

WARD FOUR, PRECINCT SEVEN.

Warden, WILLIAM F. CASWELL, R.
Clerk, WALTER R. MYRICK, D.
Inspector, AUGUSTUS D. PIPER, R.
" CHARLES F. DEAN, D.
" ARTHUR C. SPOONER, R.
" WILLIAM D. HOYT, D.

Deputies.

Warden, JAMES B. RUSSELL, R.
Clerk, FRED'K A. BROWNELL, D.
Inspector, CHARLES F. GROW, R.
" THOMAS J. PEED, D.
" WALTER F. LAWTON, R.
" EDWIN P. SOWLE, D.

WARD FOUR, PRECINCT EIGHT.

Warden, GEORGE S. HOYT, D.
Clerk, WILLIAM B. TOPHAM, R.
Inspector, HENRY A. GRAY, D.
" FRED D. BARROWS, R.
" JAMES L. McCANN, D.
" WILLIAM E. CARROLL, R.

Deputies.

Warden, ARTHUR M. PIERCE, D.
Clerk, SETH W. GODFREY, R.
Inspector, JOHN W. CARTER, D.
" WILLIAM P. YORK, R.
" FELIX J. KANE, D.
" WILLIAM E. CARROLL, R.

WARD FIVE, PRECINCT NINE.

Warden, ORRICK SMALLEY, JR., R.
Clerk, CHARLES F. F. JONES, D.
Inspector, ANTONE H. SENNA, R.
" CHARLES D. RUSSELL, D.
" CHARLES A. BENNETT, R.
" GEORGE P. RICHARDSON, D.

Deputies.

Warden, GEORGE F. CURRY, R.
Clerk,
Inspector, HARRY C. VAUGHAN, R.
" RODOLPHUS A. SWAN, D.
" FRANK B. RICKETSON, R.
" JAMES J. DONAGHY, D.

WARD FIVE, PRECINCT TEN.

Warden, CHARLES F. BRIGGS, D.
Clerk, JOHN K. McAFEE, R.
Inspector, MICHAEL F. FRANCIS, D.
" DAVID M. PIPER, R.
" JOHN P. KENNEDY, D.
" CHARLES A. S. SHERMAN, R.

Deputies.

Warden,
Clerk, GEORGE P. BROCK, R.
Inspector, DANIEL G. DINIGAN, D.
" JOHN C. EMERY, R.
" GEORGE A. CAVANAGH, D.
" LEANDER G. MARKHAM, R.

WARD SIX, PRECINCT ELEVEN.

Warden, WILLIAM N. NELSON, D.
Clerk, LEANDER A. WILLISTON, R.
Inspector, DAVID PLUMPTON, D.
" ROLAND R. ASHLEY, R.
" JOHN J. MEANEY, D.
" ANDERSON H. SWIFT, R.

Deputies.

Warden, JOHN F. CARNEY, D.
Clerk, DAVID BROMLEY, R.
Inspector, FRANK M. JENNINGS, D.
" ALFRED CLARKSON, R.
" MICHAEL STAPLETON, D.
" WALTER W. SNAILHAM, R.

WARD SIX, PRECINCT TWELVE.

Warden, HERBERT B. GARDNER, R.
Clerk, N. HERBERT GREENE, D.
Inspector, WILLIAM W. BONNEY, R.
" GEORGE L. JENNINGS, D.
" DANIEL E. NELSON, R.
" FRANK CROACHER, D.

Deputies.

Warden, MARSHALL S. GREENE, R.
Clerk, NORMAN BARSTOW, D.
Inspector, CHARLES E. ALLEN, R.
" ANTHONY ROBINSON, D.
" FRANCIS THORLEY, R.
" THOMAS J. MEANEY, D.

WARD LINES.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
April 25, 1895.

Ordered, That in conformity with section 96 of chapter 417 of the Acts of the Legislature of the Commonwealth, in the year 1893, the several wards of the city, until the first day of May, 1895, and until otherwise ordered, be and they are hereby divided and established according to the following described lines, to take effect January 1, 1896:

Ward One. All that portion of the city lying north of a line beginning at the river, and drawn through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee

street, and thence through the centre of Durfee street to the west line of the city, will constitute Ward One.

Ward Two. All that portion of the city lying between a line drawn from the river through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee street, thence through the centre of Durfee street, to the west line of the city and a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, and thence through the centre of Smith street to the west line of the city, will constitute Ward Two.

Ward Three. All that portion of the city lying between a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, thence through the centre of Smith street to the west line of the city, and a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton street, thence through the centre of Kempton street to the west line of the city, will constitute Ward Three.

Ward Four. All that portion of the city lying between a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton street, thence through the centre of Kempton street to the west line of the city, and a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, and thence through the centre of Arnold street to the west line of the city, including Fish and Pope's Islands, will constitute Ward Four.

Ward Five. All that portion of the city lying between a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, thence through the centre of Arnold street to the west line of the city, and a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Grape street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, will constitute Ward Five.

Ward Six. All that portion of the city lying south of a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Oak street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, including Palmer's Island, will constitute Ward Six.

Adopted in concurrence.

Approved by the Mayor, April 27, 1895.

VOTING PRECINCTS.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
APRIL 23, 1896.

Whereas, By the provisions of chapter 417 of the Acts of the Legislature of 1893, it is made imperative that this Board divide the city into convenient voting precincts for the holding of all meetings for the choice of all officers who are elective by the people, it is hereby

Ordered, That the several wards of the city be, and they are hereby divided into voting precincts for the holding of all meetings for the choice of all officers who are elective by the people, and that the dividing lines of said precincts be as hereinafter defined.

IN WARD ONE.

Said line shall begin at a point in the channel of the Acushnet river formed by the extension of the centre of Cedar Grove street, thence westerly in said extended line, and in the centre of Cedar Grove street to the centre of Cottage street, thence through the centre of Cottage street to the centre of Sutton street, thence west in the centre of Sutton street to the centre of Shawmut avenue, thence south in the centre of Shawmut avenue to the centre of Durfee street, thence west in the centre of Durfee street in a straight line to the boundary line between the town of Dartmouth and the city of New Bedford. The precincts in said ward being further defined as follows: All that part of said ward lying north and west of the said division line shall be and is hereby made a voting precinct to be known as precinct Number One; all that part of said ward lying south and east of the said division line shall be and is hereby made a voting precinct to be known as Precinct Number Two.

IN WARD TWO.

Said line shall begin at a point formed by the extension of a line through the centre of County street at its intersection with Linden street, thence south through the centre of County street to the centre of Locust street, thence through the centre of Locust street to the centre of Chestnut street, thence south through the centre of Chestnut street to a point in said Chestnut street at its intersection with a line formed by the extension of a line through the centre of Sycamore street. The precincts in said ward being further defined as follows: All that part of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Three; all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Four.

IN WARD THREE.

Said line shall begin at a point in the centre of County street intersecting with a line formed by the extension of a line through the centre of Sycamore street, thence south through the centre of County street to its intersection with a line formed by the extension of a line through the centre of High street. And is further defined as follows: All that portion of said ward lying east of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Five; all that portion west of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Six.

IN WARD FOUR.

Said line shall begin at a point in the centre of Kempton street at its intersection with a line formed by the extension of a line through the centre of Summer street, thence south through the centre of Summer street to its intersection with a line formed by the extension of a line through the centre of Elm street, thence west through the centre of Elm street to the centre of Cottage street, thence south in the centre of Cottage street to a point at its intersection with a line formed by the extension of a line through the centre of Arnold street. And is further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Seven; all that portion lying west of said division line is hereby made a voting precinct to be known as Precinct Number Eight.

IN WARD FIVE.

Said line shall begin at a point in the centre of County street, and in the centre of School street, thence south in the centre of County street

to the centre of Bedford street, thence east in the centre of Bedford street to the centre of South Sixth street, thence south in the centre of South Sixth street to its intersection with the centre of County street, thence in the centre of County street to its intersection with a line drawn through the centre of Washington street. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Nine; and all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Ten.

IN WARD SIX.

Said line shall begin at a point in the centre of Fourth street at its intersection with the centre of Grinnell street, thence south in the centre of Fourth street to the centre of Rivet street, thence westerly in the centre of Rivet street to the centre of County street, thence southerly in the centre of County street to Clark's cove, so called. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Eleven; all that portion of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Twelve.

ADOPTED.

FIRE DEPARTMENT.

CHIEF ENGINEER.

FREDERICK MACY, Term expires January, 1903.

Office, City Hall Building.

ASSISTANT ENGINEERS.

First—LORING T. PARLOW,	Term expires April, 1899.
Second—EDWARD F. DAHILL,	Term expires April, 1902.
Third—JAMES J. DONAGHY,	Term expires April, 1901.
Fourth—WILLIAM A. GIBBS,	Term expires April, 1900.

CLERK OF BOARD OF ENGINEERS.

FRED. B. MACY.

MEMBERS OF THE NEW BEDFORD PROTECTING SOCIETY.

(Special Police Officers, to serve at fires.)

Akin, Francis T.
Allen, George H. H.
Allen, Gideon
Bamford, James H.
Bamford, William
Bennett, George W.
Bentley, Lewis E.
Bourne, Standish
Bly, O. Frank
Card, Byron F.
Case, Charles A.
Coggeshall, R. C. P.
Cornish, Clifton H.
Denison, Henry C.
Dias, Joseph
Dunham Ernest A.
Dunham, Fred C.
Eldridge, John, Jr.,
Francis, James P.
Gardner, Edward R.
Gibbs, John E.
Gifford, Charles H.
Gifford, Frank H.
Gifford Thomas J.
Hadley, A. W.
Hammond, Edgar B.
Hammond, Henry F.
Haskell, Charles M.
Holden Charles H.
Howland, John J.
Hutchinson, Henry S.
Kelley Charles S.
Kingman, G. D.
Knowles, Thomas H.
Lawton, Charles H.
Lewis, Edgar R.
Lewis, William J.
Lowe, John H.
Macy, Frederick B.
Macy, J. Roland
Manchester, P. F.
Maxfield, Edmund F.
Nye, Willard, Jr.,
Paine, Charles L.
Peirce, Stephen D.
Penney, Edward F.
Phillips, George A.
Pierce, Edward T.
Pierce, Otis N.
Pitman, William H.
Potter, William F.
Read, William F.
Robbins, Arthur E.
Robinson, William A.
Rotch, Morgan
Richardson, Louis H.
Sanford, Gardner T.
Shaw, S. Edward
Snow, Andrew, Jr.
Snow, Robert
Swift, Leander H.
Swift, R. W.
Taber, Frederick
Taylor, William T.
Thornton, Alfred
Vincent, Mark T.
Washburn, F. A.
West, William R.
Whitehead, William
Wilbor, Alfred G.
Wilde, Albert F.
Wilde Edmond L.
Wood, Edmund
Wood, Horace
Wood, Thomas F.

POLICE DEPARTMENT.

CHIEF.

HENRY W. MASON.

CAPTAINS.

TIMOTHY C. ALLEN, JAMES L. WILBER.

LIEUTENANTS.

LEMUEL D. ADAMS,
SETH E. BRYANT,
THOMAS W. COMSTOCK,
THOMAS FAY,
ARTHUR H. JONES,
CHARLES L. McBAY,
JOHN C. PARKER,
THOMAS J. TAFT,
JOSEPH B. WING.

INSPECTORS.

HATHAWAY, FRANKLIN L.
GENDRON, GEORGE E.

SERGEANTS.

FOLEY, EDMUND
GIFFORD, CHARLES C.
ROSCOE, WILLIAM E.
UNDERWOOD, WILLIS C.

PATROLMEN.

ALDRICH, OSCAR F.
ALLEN, EDGAR W.
ALLEN, EDWARD
ALLEN, ROBERT N.
ALMOND, WALTER
ALMOND, WILLIAM, Jr.
ARNETT, HENRY
ARNETT, JAMES W.
ATWOOD, WILLIAM W.
BRIGGS, JOHN W.
CALLANAN, THOMAS F.
CANNAVAN, PATRICK
CHURCH, CHARLES B.
CLOUGH, GEORGE H.
CLARK, ULYSSES L.
COLE, WILLIAM T.
COWING, WILLIAM J.
COX, JAMES M.
DAHONEY, THOMAS
DALEY, JEREMIAH E.
DEMERS, FRANK E.
DENEEN, DANIEL
DODDS, JAMES
DOHERTY, EDWARD P.
EARLEY, EDWARD C.
ELDRIDGE, WASHINGTON A.
ENOS, FRANK
FANNING, JAMES F.
FOWLER, WILLIAM
GIFFORD, GEORGE P.
HOWLAND, WILLIAM A. E.
HUTCHINSON, JOHN J.
IVEY, JAMES A.
KENNEDY, PATRICK
KENNEY, PATRICK
KENT, CHANCELLOR
LAWRENCE, GEORGE H.
LEE, ALLEN L.
LOWTHER, GEORGE H.
MATHER, JOSEPH
McCARTHY, EDWARD
McCARTHY, JEREMIAH
McDONALD, DANIEL J.
McDONALD, DENNIS J.
McDONNELL, JAMES
McDONNELL, PATRICK
McENNIS, ROBERT B.
MEEHAN, DANIEL
McLEOD, SAMUEL D.
MOYNAN, ROBERT
MURPHY, CORNELIUS J.
OLIVER, JOHN F.
PINKHAM, GEORGE W.
RAYMOND, HIRAM E.
REMINGTON, FRANK L.
RHODES, HENRY W.
RICKETSON, HARRISON D.
ROOKS, JOHN C.
RUSSELL, EUGENE F.
SAVAGE, JAMES W.
SISSON, JOSEPH De L.
SMITH, ANDREW J.
SMITH, CHARLES F.
STOW, HARRY D.
SULLIVAN, JOHN D.
SULLIVAN, TIMOTHY
SWEENEY, DANIEL P.
SYLVIA, FRANK W.
TABER, JEREMIAH M.
VOGEL, GEORGE
VOGEL, ROBERT
WESTON, STEPHEN J.
WILLIS, RUFUS H.
WINSLOW, GEORGE F.
WIXON, JAMES A.

COURT OFFICER.

LIEUT. LEMUEL D. ADAMS.

EMERGENCY OFFICER, STATION ONE.

KENNEDY, PATRICK.

HEALTH OFFICER.

MACOMBER, WILLIAM E.

WAGONMEN.

JONES, JOHN M. PAIGE, GEORGE W.

DRIVERS.

JENNINGS, EDWARD F. RYAN, WILLIAM M.

HOUSEKEEPERS.

BUMPUS, HENRY W. MITCHELL, WILLIAM H.
DAYTON, LUTHER M. STEVENS, HENRY
HUMPHREY, DANIEL J. WILSON, THOMAS H.

SPECIAL HOUSEKEEPERS.

JONES, ISAAC M. MANCHESTER, JOHN B.
ROBBINS, CHARLES H.

MATRON.

MRS. MARGARET S. BULLARD.

JANITOR.

DREW, MOSES C.

CLERK.

WEST, HENRY N.

CONSTABLES.

THE MEMBERS OF THE POLICE FORCE.

FRISSELL, AMASA R. MOORE, LEWIS S.
SHERMAN, EDWARD, T. PERRY, SAMUEL C.
LA ROCHE, LOUIS PATNAUDE, JOSEPH C.
McDONNELL, MICHAEL SPOONER, ARTHUR C.

KEEPER OF THE LOCKUP.

WILBUR, JAMES L.

PROBATION OFFICER.

WILLIAMS, EDWARD.

SPECIAL POLICE OFFICERS.

Baker, Daniel W.
Barker, Robert T.
Bartel, Leopold
Benoit, William R.
Bentley, Frank T.
Berry, James H.
Bliss, Frederick P.
Bliss, William H.
Booth, Benjamin T.
Borden, Prince S.
Brown, William L. G.
Buckley, Alfred R.
Burgess, Stephen
Burke, Michael I.
Burke, William,
Butts, Henry R., Jr.
Chipman, James F.
Clark, Michael
Clark, William
Clarkson, Nicholas J.
Clynes, Thomas
Cole, William T.
Collins, John
Conklin, Abraham,
Connelly, Daniel J.
Corish, John
Corley, Maurice C.
Cornell, Charles F.
Cornell, Sidney I.
Crafts, James
Crafts, James F.
Cronin, Cornelius,
Dammon, George K.
Davenport, Charles H.
Davis, Otis A.
Dean, Thomas F.
Devoll, George H.
Donaghy, Joseph
Downey, Daniel,
Duckworth, William A.
Duffy, Thomas,
Durant, Lawrence J.
Durfey, Richard T.
Eldridge, Samuel T.
England, George
Etchell, Edward
Fay, Miles H.
Ferguson, Joseph
Ferguson, William,
Finn, Michael
Fitzgerald, James
Fournier, Napoleon J.
Francis, Frank W.
Frissell, Amasa R.
Fuller, Jonathan A.
Garvin, Patrick F.
Geddis, Henry S.
Gibbs, Nathaniel F.
Gibbs, Preston H.
Gibbs, William H. H.
Gifford, John,
Glennon, Thomas F.
Grant, Lafayette,
Greene, Marshall S.
Hafford, Stephen, Jr.
Harrington, Cornelius
Harrington, Daniel
Harrington, J., Clark st.
Hillman, George W.
Hines, Henry S.
Holloway, James T.
Holmes, Ezra
Holmes, John J.
Horton, Eliphalet M.
Houle, Dolor A.
Howard, Henry
Howland, William G.
Hurll, Daniel
Jay, James A.
Jenney, Ezra T.
Johnson, Oscar
Johnson, W. H., Smith street.
Jones, Isaac M.
Joseph, John
Karcher, Frederick, Sr.
Karcher, Frederick, Jr.
Kelley, Hiram C.
Kennedy, Augustus M.
Kennedy, Thomas,
Kent, James D. T.
King, Joseph T.
Lapham, George W.
Lawrence, Cyrus T.
Leary, Dennis, Jr.
Lincoln, Ellery C.
Little, Frank
Little, John E.
Loftus, Anthony
Lumbert, John
Luther, Joseph P.
McDermot, Michael
Macomber, H. M.
Miller, George
Morgan, Elias T.
Morrison, Thomas,
Mosher, Albert E.
Netcher, George F.
Nicholson, John B.
Nickerson, Charles F.
Nye, George E.
Oliver, John
Palmer, Robert
Parker, Charles W.
Partington, William
Peckham, Samuel W.
Peed, Thomas J.
Peirce, Anthony, Jr.
Perry, Samuel C.
Phillips, Henry T.
Pierce, Thomas H.
Pinelle, Joseph
Piper, Augustus D.
Piper, Julian A.
Place, William J.
Pollock, John H.
Preece, Thomas,
Quinn, Joseph
Rau, Gustavus L.
Read, George P.
Read, Richard A.
Remington, John G.

Reynolds, James R.
Ritchie, David,
Robbins, Charles H.
Rooks, Albert H.
Russell, James B.
Sadler, William G.
Salmon, John
Saxen, James H.
Sharples, Smith
Shea, Michael J.
Small, David S.
Smith, Henry
Smith, Henry H.
Spicer, Robert H.
Spooner, John C.
Spooner, Joseph W.
Staples, Ellis,
Stephens, Michael
Sullivan, James H.
Sullivan, Matthew,
Tallman, Edward S.
Taylor, Theodore
Taylor, William A.
Taylor, William J.
Thomas, Edward, Jr.
Thompson, Thomas
Tinkham, Otis
Tripp, Benjamin E.
Tripp, Chester L.
Tripp, Leroy G.
Tuell, Charles D.
Warfield, James H.
Waters, Charles O.
Watts, William H. C.
Weeden, Charles H. L.
Welsh, William
Wilbur, Allen R.
Wilcox, Seth A.
Wiley, James
Williams, Benjamin F., Jr.
Williston, Hiram L.
Wilson John,
Wood, Charles N.
Wood, James A.

MEASURERS OF WOOD AND BARK.

Ashley, Roland R.
Chace, Ira M.
Cobb, George A.
Coffin, Stephen P.
Comey, Charles M.
Coxen, Charles H.
Grinnell, A. B., Jr.
Hall, George N.
Notter, John
Rodman, Frank P.
Smith, John
Taber, Edward C.

SURVEYORS OF LUMBER.

Beetle, John H.
Chase, Abram,
Terry, Charles A. V.
Doane, Joshua G.

MEASURERS OF GRAIN.

Chace, Ira M.
Rodman, Frank P.

WEIGHERS OF COAL.

Agard, Charles W.
Bowman, Fred G.
Brooks, Nathan B.
Buchanan, J. Wallace,
Chace, Ira M.
Cee, William A.
Comey, Charles M.
Corson, Frank E.
Cuddy, Edward C.
Day, Thomas E.
Doane, Arthur E.
Gibbs, John E.
Gifford, Nathaniel W.
Gray, Charles A. Jr.
Hathaway, B. F., Jr.
Howard, Henry
Knowles, William H.
Lindsey, Robert
Negus, Southward P.
Percy, T. A.
Peirce, Edward E.
Rodman, Frank P.
Rounsevell, Walter S.
Smith, John,
Terry, Herbert C.
Thompson, Charles E.
Tripp, Jabez D.
West, Florence B.
Wood, Harry B.
Wordell, Wilson I.

CITY WEIGHERS.

Agard, Charles W.
Albiston, Clayton,
Allen, George H.
Anderson, Arthur,
Ashley, Calvin L.
Ashley, Moses E. H.
Bearse, Albert C.
Blanchard, C. S.
Bowman, Fred G.
Bradford, Edgar V.
Brooks, Nathan B.
Brownell, Charles H.
Buchanan, J. Wallace,
Butts, James D.
Chace, Ira M.
Cleary, Daniel J.
Cobb, George A.
Coe, William A.
Comey, Charles M.
Comisky, John,
Cormeau, Philip
Cornwell, Joseph F.
Corson, Frank E.
Cuddy, Edward C.
Cushing, Joseph B.
Day, Thomas E.
Doane, Arthur E.
Donahue, James J.
Donley, William
Durfee, William A.
Edwards, Charles F.
Emerson, Charles P.
Ferns, Joseph,
Field, Edward H.
Foley, Timothy,
Foster, Charles
Gibbs, John E.
Gibbs, J. Edward, Jr.,
Gibbs, William H. H.
Gifford, Nathaniel W.
Gifford, Sidney B.
Gile, J. F.
Gilmore, Thomas
Gilston, John W.
Grant, Lafayette
Gray, Charles A., Jr.
Greene, Luthan J.
Greene, Nathaniel H.
Gurney, William A.
Harney, John
Hathaway, B. F., Jr.
Hayden, Edward D.
Hill, Robert
Hitch, Frank B.
Howard, Henry
Howland, Beriah G.
Inman, Harry C.
Jackson, Axel H.
Jennings, Charles E.
Jennings, George L.
Jennings, John W.
Johnson, Ferdinand A.
King, Manuel
Knowles, William H.
Lamontagne, Frank
Lees, William
Lewis, Henry S.
Lindsey, Robert,
Lynch, Simon F.
Lyons, John
Macomber, Harry T.
Mason, Frederick A.
McKenzie, Robert
Miller, David
Neagus, John P.
Negus, Southward P.
Nowell, Joseph C.
O'Brien, Thomas,
O'Connor, Cornelius,
Patnaude, Joseph
Paul, George H.
Pedro, George E.
Peirce, Edward E.
Percy, T. A.
Perry, John S.
Podman, Edward
Pollard, Andrew C.
Potter, Edwin L.
Robinson, Frank J.
Rodman, Frank P.
Rounsevell, Walter S.
Ryan, Joseph M.
Sanderson, James
Snow, Henry K.
Snow, Richard,
Sullivan, Mark E.
Sullivan, Matthew
Sullivan, William H.
Sylvia, Antone L.
Taber, Edward C.
Terry, Herbert C.
Thompson, Charles E.
Tilton, Herbert E.
Tripp, Jabez D.
Tripp, Joseph J.
West, Florence B.
West, John
Willis, Charles L.
Wilson, Wallace B.
Wood, Harry B.
Wood, John
Wordell, Wilson I.

WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Bowman, Fred G.
Brooks, Nathan B.
Corson, Frank E.
Gray, Charles A. Jr.
Hathaway, B. F., Jr.
Howard, Henry
Smith, John

FENCE VIEWERS.

Cobb, Georgé A. Pierce, Crawford S. Williston, Leander A.

POUND KEEPERS.

Dayton, Luther M. Manchester, John B.

FIELD DRIVERS.

The Police, William H. Johnson (Smith st.), John B. Manchester.

BOARD OF LICENSE COMMISSIONERS.

STEPHEN D. PEIRCE,	Term expires June, 1898.
JOHN J. HOWLAND,	Term expires June, 1900.
FRANK M. SPARROW,	Term expires June, 1902.

JOHN J. HOWLAND, Chairman.

1898—CITY DOCUMENT No. 3.

CITY OF NEW BEDFORD, MASS.

TWENTY-EIGHTH ANNUAL REPORT

OF THE

NEW BEDFORD WATER BOARD

TO THE

CITY COUNCIL,

CONTAINING:

I.

The Report of the New Bedford Water Board for 1897, including the Thirteenth Quarterly Report upon the Further Water Supply.

II.

The Report of the Water Registrar.

III.

The Report of the Superintendent.

DECEMBER 31, 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

NEW BEDFORD WATER BOARD.

1898.

CHARLES S. ASHLEY,

Mayor of the City.

STEPHEN A. BROWNELL,

President of the Common Council.

DAVID B. KEMPTON.
EDMUND WOOD.
THOMAS B. TRIPP.

CLERK OF THE BOARD, AND SUPERINTENDENT.

ROBERT C. P. COGGESHALL.

WATER REGISTRAR.

JAMES H. HATHAWAY.

FOREMAN.

JOHN C. DEMELLO, JR.

PUMPING STATION.

ADONIRAM S. NEGUS, *Pumping Engineer.*

INSPECTORS.

CLIFFORD BAYLIES.
ARTHUR R. WEEKS.

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF NEW BEDFORD WATER BOARD.
December 31, 1897.

To the City Council of the City of New Bedford:

Gentlemen:—The New Bedford Water Board herewith present to you the twenty-eighth annual report of this department, and include in it the regular quarterly report on the work of the Further Water Supply.

During the past year this Board has administered the affairs of the present water supply, maintaining its efficiency and adding quite largely to the distribution as new houses demanded it. But a greater portion of our time and effort has been expended in superintending the design and construction of the various parts of the new system. Good progress has been made during the year.

It is now possible for you by visiting the locality to get a good idea of the extent of the undertaking and of the appearance of the whole plan as it has been from time to time outlined to you. The reservoir at High Hill is practically completed. Two substantial stone structures have been built on the embankments over the inlet and outlet gates, and a permanent fence is now being constructed around the whole area.

It has been deemed advisable to shut off the embank-

ments and the water itself from the public, but an iron stairway has been planned on the south side leading up to an enclosed area from which visitors at all times can view the whole reservoir.

The large cast iron distribution pipe leading the water from this reservoir into the city is also laid, with frequent hydrants for fire protection along its entire length.

The 48-inch steel force main through which the water is to be forced from the Quittacas ponds to this reservoir is now about all laid. The work under this contract has been carried on for over two years. The steel plates were rolled by the Carnegie Company at Homestead. They were riveted together into thirty feet sections at Pittsburg.

Thence they were transported by railroad to Braley's station on 350 long freight cars. They have been laid in the trenches prepared for them and there riveted together. Then sections, from one-quarter to one-half a mile long, are pumped full of water and subjected to a pressure of 150 pounds to the square inch. All places which wince in the least under this severe strain are recaulked while still under test, and all defective rivets are replaced. Perhaps a better idea of the character of this work and the care which must be exercised can be gained by you if we describe it as follows: A monster boiler, four feet in diameter and eight miles long, constructed on the ground, and made to stand a pressure many pounds heavier than any boiler is now working under in any of our great mills. This huge boiler, if cut up into suitable lengths, would constitute over 2,000 average boilers as thick and as strong as any in the city. There are only 300 steam boilers in use in New Bedford at the present time.

Where a section has been pronounced satisfactory after testing, the asphaltum coating of the pipe is renewed both

inside and outside, and then the pipe is hidden from view by countless carloads of earth which is carefully packed around and above it. All summer a gravel train has hauled and deposited 70,000 cubic yards of earth upon the pipe, which traverses the low section through Bolton swamp.

Work on the pumping station is now progressing quite rapidly. The contract for erecting the foundations of these buildings was let last year to Acock & Son, of Trenton, N. J. This contract also included the erection of the dam along the southern shore of Little Quittacas, the masonry intake to lead the water to the pumps, and the connection between Little and Great Quittacas ponds.

Work on this contract did not proceed very satisfactorily. It was not pushed during the spring and summer months. On October 2d, when the building foundations were about completed, they notified the Board that they had shut down the work for the season.

As this contract in the opinion of the Board would be unnecessarily and unreasonably delayed by such procedure, it was voted to declare the contract of Acock & Son to be broken. Careful surveys were made to determine how much of this contract was still left to be performed, and on November 5th a contract for finishing it was signed with Silvio Casparis of Columbus, Ohio.

On August 18th a contract was signed with Daniel O'Connell & Son of Holyoke, Mass., for building the pumping station buildings at Little Quittacas pond. These structures comprise an engine room with basement, a boiler house, a coal house with store rooms, a building containing a machine shop on the lower floor with office and engineer's room above and a chimney ; all to be erected upon the foundations already constructed. The price for completing this contract in accordance with the plans and specifications is $57,139.17.

Work on this contract has progressed quite rapidly and the engine house and boiler house are about ready to be closed in. These buildings are of native granite. The architecture is plain and rather massive. The chimney is completed. It is circular in shape and 143 feet high. It is faced on the outside with a light colored brick made to harmonize with the gray of the surrounding buildings.

The foundations for the engines have been ready for some months to receive them, but the builders of them are disappointing in the progress which is being made. By the terms of our contract the first engine was to be set up and ready on the first day of January, but by the latest reports received from our inspectors it will be several months behind.

The contract for these two ten million gallon pumping engines was made last December with the Dickson Manufactoring Co., of Scranton, Pa., and the consideration is to be $128,900. They are being thoroughly inspected by our own inspectors and much of the delay in their construction has been caused by our rejection of many imperfect parts, especially the larger castings. Each bolt, each casting as it is turned out is carefully examined on the spot and sometimes three and even four castings are made and successively rejected before one is accepted as perfect.

All steel forgings in the engines have been made under a separate contract signed on December 17th, 1896, with the Bethlehem Iron Works, of Pennsylvania. These have been subjected to the same system of inspection and are now all delivered to the builders of the engines.

The boiler is being constructed from a original design made by Mr. E. D. Leavitt of Cambridgeport, Mass.

On May 24th, a contract to build it was signed with the I. P. Morris Co. of Philadelphia. It is to be 108 inches in diameter and will carry a working pressure of 185 pounds per square inch. The contract price is $8,250.

On May 26th a contract was signed with the Bethelem Iron Co., to supply the steel plate needed in the construction of this boiler for the sum of 2 3-4 cents per pound. This plate has all been delivered and the boiler is about half completed. Both the plate and the work upon it have been thoroughly inspected and tested by resident inspectors who report frequently to the Board.

On November 5th a contract was signed with William Sellers & Co., incorporated, of Philadelphia, to furnish one ten ton hand power travelling crane for the engine room of the Quittacas Pumping Station for the sum of $1,975.

This crane has been constructed and already delivered at the building. It will be put in place early in January.

As our plan contemplates only the taking of the waters of Little and Great Quittacas ponds it becomes necessary for us to shut off these waters from any connection with Pockshire and Assawampset.

Plans of this work were prepared by our engineers and during the year two hearings were given us by the Harbor and Land Commissioners. After the final hearing these plans were approved.

They call for the widening and raising of the Long Point road which runs between the two ponds and this road then becomes the dam. A masonry overflow is also provided which shall allow the excess of water in Great and Little Quittacas ponds to flow over into Pockshire and Assawampset, but will not allow any water from the two latter ponds to get into Great Quittacas pond.

On September 8th a contract was signed with Daniel O'Connell & Son of Holyoke to build this dam and masonry wasteway. The bid was in items, so much per unit of each item and figured on the engineers estimates, the amount of the contract will be about $25,000.

On April 5th a contract was signed with Daniel O'Con-

nell of Holyoke to provide all materials and perform all work in building the two stone gate houses on the embankment of the High Hill reservoir for the sum of $4,-725. This contract has been completed.

On October 6th a contract was signed with James B. Demoranville of New Bedford to build a fence around the High Hill reservoir. This fence is 3420 feet long and is now practically completed.

On May 14th a contract was made with John B. Sullivan of New Bedford to supply 115 granite stones for bounds for the sum of $125.

The administration of the present water system and its maintenance and extensions have also claimed the regular attention of the Board during the year.

Sixty-eight petitions have been received for the extension of main pipes. Of this number sixty-three have been granted.

Twenty-seven thousand five hundred sixty-six feet of main distribution pipe have been laid and eight thousand eight hundred forty-four feet of that previously laid has been removed, making a total of 87.5097 miles now in use.

The number of service pipes has been increased 413. The total number now in use is 8860.

The greatest addition to the distribution system has been the extension of the water main along Brock avenue to the Alms house.

The pipe for this purpose was purchased two years ago but the delays which have attended the action of widening the street and fixing its grades have made it necessary for this Board to delay action. The settlement of these questions this summer was followed immediately by the laying of the water main.

Two hundred and fifty-eight meters have been put in during the past year. Over half of these are the property of the water takers and have been put in at their request.

The balance are the property of the city and were placed upon those services where a waste of water was known to exist.

They were not installed with the view of increasing revenue but as our best weapon to check the wilful throwing away of water. There are many who do not realize that the city water after it has been pumped and conducted to the city and into the dwelling has a value. That every gallon wasted represents the useless consumption of a certain amount of coal and that it is hastening the day when still further heavy expenditures must be made for additional supply. A liberal amount should be allowed every taker, enough to meet every possible want, but when a single dwelling uses 250 barrels of water in a single day the greater part of course must be thrown away as it is simply impossible to use such large amounts for legitimate purposes.

We find cases like this and it is often difficult to convince the owner that he is exceeding his privilege. One faucet or closet will deliver say six gallons per minnte or 8640 gallons in 24 hours. Suppose the owners of each of the 8000 dwellings now supplied in this city were inclined to let run continuously one faucet, an enormous supply would be required to meet such a demand. It would take sixty-nine million gallons per day an amount several times in excess of the full capacity of the new plant now in process of construction.

When meters have been placed upon wasteful services with a few exceptions the desired result has been attained. The formerly indifferent taker becomes actively interested when he learns that he is paying for measured water. He uses as much as he ever did but he allows little or none to run to waste. In the large majority of these cases, and there is no reason except lack of care why this statement should not apply to all cases, he reduces his bill

made out from the meter to a figure below the amount if charged by fixture rates. In support of this statement we would say that considering 111 meters upon this class of service for one month the value of the measured water supplied was $204. If it had been charged in accordance with the schedule list it would have been $255.61 and the amount of water used would have undoubtedly been many times what it was. Thus a saving is effected for both the consumer and the city and benefit results to both parties.

It seems hardly necessary to add that the revenue received from those who have voluntarily put in meters and paid for them, some 400 in number, is less than if they had no meters and were paying fixture rates.

On June 24th Mr. Thomas B. Tripp was re-elected a member of this Board for a term of three years.

A contract was signed on August 23d by the Fuel Committee of the City Council with F. T. Akin & Co., for a supply of 1200 gross tons of Pocahontas coal for $3.00 per gross ton delivered at the pumping station.

On December 9th a contract was signed with R. D. Wood & Co. of Philadelphia, for about 640 gross tons of cast iron pipe and special castings. The consideration is to be $17.95 per gross ton for ordinary straight bell and spigot pipe and from 1 3-10 cents to 3 1-2 cents per pound for the remaining castings in the contract. These prices include delivery on wharf in New Bedford early in April next.

The following is a brief statement of the financial operations of the past year:

Balance Dec. 1st, 1896,	$37,822.17
Receipts for the year, all sources,	122,220.65
	$160,042.82

The charges have been as follows:

Expenditures for management and repairs,	$81,652.73
Expenditures for extensions,	38,264.38
	$119,917.11
Which leaves a balance to the credit of the works on the books of the City Treasurer, Dec. 1st, 1897,	$40,125.71

DEBITS.

Balance Dec. 1st, 1896,		$37,822.17
Receipts from water rates,	$99,668.11	
Receipts from rents, sales, etc.,	135.36	
Receipts from laying main and services pipes in private property and fines,	8,556.08	
Receipts from sales of meters,	1,861.10	110,220.65
General appropriation for use of water for public purposes,		12,000.00
General appropriation from tax levy to make up deficit,		58,000.00
		$218,042.82

CREDITS.

Management and repairs less interest, bonds paid and sinking funds,		$27,652.73	
Extension of works,		38,264.38	
Interest on bonds, general appropriations,	$52,000.00		
Interest on Sylvia Ann Howland fund, general appropriations,	6,000.00		
Interest paid from water rates,	10,000.00		
Bonds paid from water rates,	20,000.00	88,000.00	
Sinking funds (further supply) paid from water rates,		24,000.00	
Balance Dec. 1st, 1897,		40,125.71	$218,042.82

The actual outlay for the construction of these works Dec. 1st, 1897, exclusive of debt, interest and management and repair account is $1,740,650.44.

Statement of "Further Water Supply" account:

RECEIPTS.

Bonds sold,	$1,200,000.00
Premium on same,	111,361.50

From water rates to pay sinking funds,	44,000.00
From general appropriations to pay interest,	56,017.33
Sales, etc.,	2,945.33
	$1,414,324.16

EXPENDITURES.

Amount paid as per schedule,	$990,409.91	
Sinking funds,	44,000.00	
Interest on bonds,	56,017.33	1,090,427.24
Balance to credit of account,		$323,896.92

All contracts during the year both for maintenance and also for building the new supply have been let to the lowest bidders in competition.

This is not always possible and not always advisable, but it is a satisfaction to be able to reward the lowest bidder for public work with the contract.

In many of them the contractor has of necessity used a great deal of cheap labor. The distance from this city is too great to allow New Bedford laborers and mechanics to go out daily to the work and the conveniences for living comfortably in the neighborhood are extremely limited.

Rude shanties have been erected in many localities along the line of construction, in which the laborers are lodged. Mechanics and all skilled labor have found accommodations in farm houses.

When we consider the character of the men, who were assembled for this coarse and unskilled work, their methods of living and their distance from the restraint of police supervision, the small number of cases of lawlessness and misbehavior is remarkable.

At the beginning of the year on January 11th an important step was taken in the carrying out of the powers given this city by the State. The Quittacas ponds and certain lands were formally condemned and waters taken for the city of New Bedford and legal records made of this action of the city.

None of the Great Quittacas water has been used yet as the works are being so constructed that not until the completion of the whole work, and the moment has arrived for putting the new system into daily use, will it be necessary to take any new water supply.

From the outline which has been given in this report of the progress of the work of securing the further water supply you will see that this enterprise is approaching completion. All the main contracts have been made and many of them completed. During the coming year the balance of them will be fulfilled, and we shall look for the culminating points of all this endeavor when the new water shall let into the pipes to take the place of the old.

But when that day arrives the whole problem of substituting the new for the old supply will not be solved. A most difficult labor will then remain. It will be necessary to inaugurate systems of maintenance to get from the new order of things all the advantages of the change, to devise some wise method of using valuable city property and privileges which are partly superseded and to study the financial problems which this very large increase of the capital invested in our water works will cause to arise.

Very respectfully submitted,

CHAS. S. ASHLEY,
GEO. P. BAILEY,
DAVID B. KEMPTON,
EDMUND WOOD,
THOMAS B. TRIPP.

Report of the Water Registrar.

CITY OF NEW BEDFORD,
WATER REGISTRAR'S OFFICE,
December, 1st, 1897.

To the New Bedford Water Board,

Gentlemen: — I herewith present to you the annual statement of my accounts as Water Registrar for the year ending at this date:

RECEIPTS.

Balance Dec. 1st, 1896,			$37,822.17
Receipts for water:			
Rates, domestic,	$92,291.78		
Rates, manufacturing,	7,376.33		
Appropriations for public buildings and fire hydrants,	12,000.00	$111,668.11	
Receipts for services,		4,468.93	
Receipts for meters,		1,861.10	
Receipts for fines,		56.00	
Receipts for mains,		3,786.93	
Receipts for mill piping,		244.22	
Receipts for shop work,		66.96	
Receipts for incidentals,		25.50	
Receipts for sale of hay,		42.90	122,220.65
			$160,042.82
Expenditures for the year ending Dec. 1st, 1897,			119,917.11
Balance cash in treasury, Dec. 1st, 1897,			$40,125.71

EXPENDITURES.

MANAGEMENT AND REPAIRS.

Engineering and superintendence:

Salaries per year.			
$2,400	R. C. P. Coggeshall, sup't,	$2,393.33	
1,200	J. C. DeMello, Jr., foreman,	1,196.67	
800	S. H. Taylor, office assistant,	797.77	
400	F. L. Pope, Jr., office assistant,	398.89	
	Pay roll,	20.61	$4,807.27

Water Registrar:

1,000	James H. Hathaway, water reg.,	997.23	
1,000	Clifford Baylies, inspector,	997.23	
900	Arthur R. Weeks, inspector,	868.06	2,862.52
	Inspection and clerk hire,		
	Joseph P. Rose,	624.00	
	Posting accounts,	50.00	
	Annual inspection,	290.00	
	Distributing water bills,	125.00	1,089.00

Pumping Expenses:

Engineers, firemen and watchman:

1,600	A. S. Negus, engineer,	1,595.56	
1,025	Patrick Gibbons, ass't eng'r,	1,022.15	
	James H. Weeks, " "	780.00	
	H. F. Teachman, " "	728.00	
	C. J. Buckley, fireman,	598.49	
	E. F. Drown, "	629.99	
	Michael Finn, "	632.00	
	J. J. Da Silveira, laborer,	260.00	
	A. S. Marciel, "	270.00	
		$6,516.19	
	Fuel for pumping engines,	4,717.69	
	Oil, waste, packing and gas,	194.62	
	Other supplies,	159.81	
	Repairs of engines,	776.20	
	Repairs of boilers,	14.75	
	Incidentals,	8.70	
	Maintenance of engine house and lot,	333.70	12,721.66
	Maintenance of mains,		$802.91

Services:

Labor and stock,	49.49		
New stop boxes, clearing taps, etc.,	688.40		
Plumbing,	78.61		
Thawing pipe,	12.58	829.08	
Fountains and meters,		164.17	
Storing reservoir, dam and conduit,		381.99	
Receiving and distributing reservoir and stand pipe,		457.59	
Board of horses,		848.00	
Shoeing and maintenance of horses,		119.44	
Repairing wagons and harnesses,		208.58	
Car fare, carriage hire and travelling expenses,		179.58	
Postage,		46.62	
Office supplies,		47.53	
Telephone and telegraph dispatches,		9.52	
Printing and stationery,		334.98	
Expressage,		5.35	
Rent of telephones,		379.25	
Taxes,		49.57	
Registration clerk,		66.19	
Supplying Artillery Co., at Buttonwood,		31.75	
Damages,		17.00	
Labor for Public Works,		6.00	
Labor for Acushnet Mills,		2.82	
Cleaning office of Water Board,		9.00	
Shoveling snow,		4.75	
Connection with Little Quittacas,		141.01	
Water street work shop and pipe yard,		1,001.96	
Repairs on house at storing reservoir,		13.39	
Supplies for meteorological instruments,		14.25	
Permanent debt, bonds paid,	20,000.00		
Permanent debt, interest,	10,000.00	30,000.00	
Sinking funds, further water supply,		24,000.00	$81,652.73

EXTENSIONS.

Mains:

Main pipe and special castings,	$14,074.82		
Stop gates, hydrants, etc.,	1,685.28		
Lead, carting and blacksmithing,	1,335.22		
Other supplies,	585.78		
Labor laying mains,	9,245.87		
Unloading pipe and wharfage,	379.59	$27,306.56	

Services:

Service pipe, lead and iron,	3,100.64		
Taps, stop boxes and other supplies,	1,324.01		
Labor laying services,	2,579.93		
Plumbing,	663.76	$7,668.34	
Fountains and meters,		3,151.55	
Mill piping,		137.93	$38,264.38
Total expenditures for the year,			$119,917.11
Whole outlay upon the works to this date,			$2,645,409.59
Balance Dec. 1st, 1897,			40,125.71
			$2,685,535.30

The receipts from the commencement of the works to this date have been as follows, viz. :—

Appropriations by the City Council,		$1,038,000.00
Receipts for water and other sources,		1,647,535.30
		$2,685,535.30
Deduct total outlay,		2,645,409.59
Balance as above Dec. 1st, 1897,		$40.125.71
Outlay as above,		$2,645,409.59
Deduct from outlay,		
Paid for management and repairs,	$606,271.01	
Interest paid,	117,788.14	
Bonds paid,	125.000,00	
Sinking funds,	11,700.00	
Sinking funds, further water supply,	44,000.00	904,759.15
Actual cost of works,		$1,740,650.44
Total receipts for water,		$1,647,535.30
Deduct the amount paid for maintenance, debt, interest and sinking funds,		904,759.15
Water receipts applied to construction,		$742,776.15

The funds for the construction of the works have been derived from the following sources, viz. :—

Investment of Sylvia Ann Howland educational bequest,	$100,000.00
Sylvia Ann Howland water bequest,	100,000.00

Received from sale of bonds,	$15,000.00
Net receipts applied to construction,	742,776.15
Appropriation for construction in 1885,	23,000.00
	$1,780,776.15
Deduct balance Dec. 1st, 1897,	40,125.71
Cost of works as stated above,	$1,740,650.44

The water debt at this date is as follows, viz. :—

Water bonds, 7 per cent.,	$100,000.00
" " 6 " "	140,000.00
" " 5 " "	100,000.00
" " 4 " "	140,000.00
" " 4 " " further water supply,	1,200,000.00
Sylvia Ann Howland bequest 6 per cent.,	100,000.00
	$1,780,000.00
Less sinking funds,	59,474.55
Net water debt Dec. 1st, 1897,	$1,720,525.45

Outlay for management of repairs,		$81,652.73
Outlay for extensions,		38,264.38
		$119,917.11
Deductions:		
Receipts for services,	$4,468.93	
Receipts for meters sold,	1,861.10	
Receipts for mains,	3,786.93	
Receipts for fines and other sources,	435.58	10,552.54
Net expenditures,		$109,364.57
Amount appropriated by the City Council in 1897 for interest on water loan,		$58,000.00
Net expenditures by the Water Board,		109,364.57
Actual amount expended in 1897,		$167,364.57
Water receipts in 1897,		$111,668.11
Water receipts in 1896,		106,157.07
Increase in 1897,		$5,511.04

Summary of receipts and expenditures for "Further Water Supply" to Dec. 4th, 1897.

RECEIPTS.

Bonds sold Dec. 15, 1894,		$200,000.00
Bonds sold April 24, 1896,		50,000.00
Bonds sold May 2, 1896,		200,000.00
Bonds sold July 1, 1896,		150,000.00
Bonds sold Dec. 18, 1896,		400,000.00
Bonds sold Jan. 1, 1897,		200,000.00
Premium on bonds, Dec. 15, 1894,	$18,632.00	
Premium on bonds, April 24, 1896,	4,775.00	
Premium on bonds, May 2 and July 1, 1896,	30,866.50	
Premium on bonds, Dec. 18, 1896,	35,428.00	
Premium on bonds, Jan. 1, 1897,	21,660.00	111,361.50
From water rates to pay sinking funds,		44,000.00
From general appropriations to pay interest.		56,017.33
Sale of land,		1,000.00
Sale of wood,		475.00
Edgar A. Barrows, land,		30.00
Charles K. Fletcher, land,		25.00
Richard C. Smith, land,		12.00
Board of Public Works, crusher stone,		275.87
C. K. Fletcher, rent of Fletcher farm,		25.00
Almira G. Clark, tax Middleboro,		8.20
W. S. Eaton, Jr., tax Middleboro,		28.70
James E. Ashley, force main line,		41.50
H. A. Wyman, tax Rochester,		9.89
Leaman Rounsevelle,		409.83
L. E. Chace,		52.46
W. P. Latham & Co.,		9.44
S. H. Cook & Co., rebate on insurance,		26.67
Henry H. Bennett,		409.71
Charles A. Morton,		8.88
Isaac L. Ashley,		5.00
H. Van Campen & Co., rebate on insurance,		9.60
H. A. Wyman,		12.13
Greene & Wood,		36.70
Robert Walton,		7.50
W. S. Eaton, Jr.,		26.25
		$1,414,324.16

EXPENDITURES.

Cost of issuing water bonds,	$ 991.12
Salaries,	6,575.02
Travelling and other expenses,	637.38

Telephone and telegraph messages,		131.49
Legal expenses,		1,210.83
Printing and stationery,		131.99
Water gaugings at Quittacas ponds,		3,063.38
Maintenance of rain gauges,		206.50
Survey and map of Quittacas ponds,		2,197.23
Dam at ontlet of Great Quittacas pond,		131.50
Lands bordering upon Quittacas ponds:		
Surveying and placing bounds,	$5,146.31	
Examination of titles and other legal expenses,	3,464.25	
Cost of land and options,	66,430.81	
Surveying water shed, Lakeville ponds,	1,821.35	
Clearing land, etc.,	716.17	77,578.89
Pipe connecting Great and Little Quittacas ponds:		
Engineering,		1,377.10
Intake pipe from Little Quittacas pond to pumping station:		
Freight, unloading and carting,	$ 6.73	
Pipe and special castings,	359.47	
Gates,	1,151.16	
Inspection,	31.50	1,548.86
Pumping station:		
Engineering,	$8,269.62	
Designing and inspecting engine,	15,300.00	
Contract, foundation of pump well and intake,	31,517.34	
Inspection of foundation, connection between ponds, intake, and work around ponds,	1,726.85	
Draining and improving grounds and roads,	261.69	
Cost of engines,	65,783.13	
Fire piping,	427.04	
Legal expenses,	10.00	
Iron castings, foundation of gate house,	772.77	
Boiler plates,	1,345.41	
Contract, superstructure,	23,970.00	
Freight and carting,	17.44	
Contract, building boiler,	3,087.43	
Draining building, sewerage, etc.,	501.00	152,989.72
Force main:		
Engineering, including surveying and placing bounds,	$16,473.27	
Examination of titles and other legal expenses,	829.65	
Cost of land,	5,309.92	

Changing Dry Swamp ditch,	317.54	
Contract, cost of pipe and laying,	268,337.02	
Inspection on line,	7,983.50	
Cost of gates,	6,991.09	
Clearing wood,	566.42	
Inspection at foundry,	2,736.60	
Cast iron pipe,	4,358.87	
Fencing,	127.50	
Freight and carting,	247.41	
All other supplies,	29.50	
Digging drains and other labor,	306.10	314,614.39
Distributing reservoir at High Hill:		
Engineering, including surveying and placing bounds,	$10,056.69	
Examination of titles and other legal expenses,	194.87	
Cost of land,	8,866.47	
Moving buildings and repairs,	513.23	
Carriage hire,	10.00	
Contract, construction of High Hill reservoir,	138,650.72	
Cast iron piping and other castings,	2,587.57	
Masonry inspection,	3,433.00	
Cost of changing road,	932.30	
Earthwork inspection,	1,007.00	
Sluice gates,	5,446.25	
All other supplies,	178.72	
Works after completion of contract,	975.79	
Gate houses,	5,474.29	
Fence around reservoir,	960.96	179,287.86
Distributing main from High Hill reservoir to city:		
Engineering, including surveying and placing bounds,	$5,888.04	
Examination of titles, appraisal of land and other legal expenses,	115.00	
Cost of land,	483.51	
Cost of pipe and special castings,	108,790.17	
Wharfage and handling pipe,	1,868.04	
Gasket,	184.44	
Inspecting pipe,	1,541.34	
Lead,	961.06	
Gates and boxes,	6,352.77	
Toolhouse, blacksmith shop and tools,	121.21	
Labor,	6,405.49	

All other supplies,	68.49	
Carting,	4,261.55	
Freight and express,	5.22	
Lumber,	182.69	
Inspection,	534.96	
Contract, Nash road to reservoir,	26,826.16	
Lowering pond,	100.00	
Lowering sewers, etc.,	217.99	
Drain in sixty foot way,	115.00	165,023.13
Railroad from Braley's to Little Quittacas:		
Engineering,	$4,828.20	
Hearing at Freetown and legal expenses,	178.29	
Contract for railroad,	61,594.40	
Inspection,	826.50	
Siding at Braley's,	1,473.73	
Cast iron pipe,	403.14	
Signs,	143.78	
Gravel, etc.,	2,082.70	
Wooden culverts,	662.50	72,193.24
Telephone line:		
Labor,	$15.50	
Poles,	113.75	
Wiring lines,	94.18	
Rent of telephone,	112.50	335.93
Dam between Great Quittacas and Pockshire Ponds:		
Engineering,	$579.50	
Contract,	9,546.35	
Inspection,	58.50	10,184.35
		$990,409.91
Sinking funds,		44,000.00
Interest on bonds,		56,017.33
Total expenditures,		$1,090,427.24
Balance to credit of account Dec. 4th, 1897,		323,896.92
		$1,414,324.16

Respectfully submitted,

JAMES H. HATHAWAY,

Water Registrar.

Report of the Superintendent.

NEW BEDFORD WATER WORKS,
SUPERINTENDENT'S OFFICE,
December 1, 1897.

To the New Bedford Water Board.

Gentlemen:—The twenty-eighth annual report of the Superintendent for the year ending December 1st, 1897, is herewith presented.

Annexed to this report will be found tables giving the usual rainfall observations recorded at the various stations. Thomas R. Rodman, Esq., kindly supplies a copy of his work, which is always interesting.

There are features regarding the rainfall of the past year which are worthy of special mention. Two very notable storms have occurred with the following results. The first on August 16th, a thunderstorm, during which 3.57 inches fell between 10 o'clock a. m. and 1 o'clock p. m. This is at the rate of 1.19 inches per hour which is by far the largest amount in the shortest time we have ever observed. The full capacity of the sewers of this city were totally inadequate to meet the flood which fell and an immense amount of damage resulted to both public streets and private property. The second storm was on November 1st, commencing at 1.30 o'clock p. m. and continuing for 36 hours with a rainfall of 5.67 inches. Of

this amount 5 inches fell in 20 hours. Taking the summer as a whole the rainfall was excessive. 22.69 inches fell between May 1st and September 1st. This is half the average of a single year and it occurred at intervals most favorable for storage purposes. The storing reservoir was kept filled to its utmost limits during this time. It is true that the flow from Little Quittacas was maintained as usual but it was not altogether necessary as regards quantity. A liberal flow of the white water of Little Quittacas pond into the naturally dark water of the storing reservoir improves the quality of the latter. It whitens it and relieves it of considerable of the suspended vegetable matter which it otherwise would contain. It also probably has the effect of preventing the growth of that class of offensive algaes which were the source of much trouble before this connection was made in 1886. Certain it is we have had a marked improvement in this direction since that time. Occasionally a somewhat swampy taste and odor is noticed but not nearly enough to preclude its use for all domestic purposes.

The State Board of Health has continued the examinations of samples collected for that purpose. A tabulated copy of results has been kindly supplied by Mr. X. H. Goodnough, chief engineer of that body and is herewith annexed.

Water Analysis. State Board of Health.

PARTS IN 100,000.

Number.	Date of Collection.	Date of Examination.	Appearance. Turbidity.	Appearance. Sediment.	Appearance. Color.	Odor. Cold.	Odor. Hot.	Residue on Evaporat'n. Total.	Residue on Evaporat'n. Loss on Ignition.	Residue on Evaporat'n. Fixed.	Ammonia. Free.	Ammonia. Albuminoid. Total.	Ammonia. Albuminoid. In solution.	Ammonia. Albuminoid. In suspension.	Chlorine.	Nitrogen as Nitrates.	Nitrogen as Nitrites.	Hardness.	Oxygen consumed.	Iron.
	18	96													.76					
18,213	Dec. 29	Dec. 30	Slight.	Slight.	1.40	Distinctly mouldy.	Decidedly mouldy.	6.95	3.40	3.55	.0020	.0264	.0222	.0042	.75	.0090	.0000	1.8	1.8000	—
	18	97																		
18,337	Jan. 25	Jan. 26	Very slight.	Very slight.	1.50	Distinctly vegetable.	Distinctly vegetable.	6.40	3.40	3.00	.0030	.0262	.0262	.0000	.67	.0070	.0001	1.3	1.2373	—
18,611	Feb. 23	Feb. 24	Very slight.	Very slight.	1.20	Distinctly vegetable.	Distinctly vegetable.	5.55	2.50	3.05	.0024	.0184	.0176	.0008	.70	.0030	.0000	1.0	1.0520	—
18,853	Mar. 23	Mar. 24	Very slight.	Slight.	.85	Distinctly vegetable.	Distinctly vegetable.	3.75	1.50	2.25	.0020	.0158	.0152	.0006	.58	.0050	.0002	0.6	0.6960	—
19,135	Apr. 28	Apr. 29	Very slight.	Considerable	1.25	Distinctly vegetable.	Distinctly vegetable.	4.30	1.95	2.35	.0010	.0190	.0170	.0020	.50	.0030	.0000	1.1	1.0560	—
19,330	May 26	May 27	Very slight.	Slight.	1.60	Distinctly vegetable.	Distinctly vegetable.	4.65	2.60	2.05	.0010	.0260	.0254	.0006	.50	.0060	.0000	0.6	1.2800	—
19,533	June 21	June 22	Very slight.	Very slight.	1.73	Distinctly vegetable.	Distinctly vegetable.	5.10	2.60	2.50	.0008	.0236	.0192	.0044	.47	.0060	.0000	0.8	1.2562	—
19,911	July 26	July 27	Very slight.	Slight.	1.65	Distinctly vegetable.	Distinctly vegetable.	5.35	2.50	2.85	.0004	.0254	.0236	.0018	.55	.0100	.0000	1.1	1.6605	—
20,245	Aug. 23	Aug. 24	Very slight.	Very slight.	1.25	Faintly vegetable.	Distinctly vegetable.	4.75	2.35	2.40	.0018	.0284	.0250	.0034	.53	.0000	.0000	1.1	1.0837	—
20,653	Sept. 27	Sept. 28	Very slight.	Slight.	1.82	Faintly vegetable.	Distinctly vegetable.	5.50	3.15	2.35	.0006	.0252	.0236	.0016	.56	.0020	.0000	1.3	1.2880	—
20,951	Oct. 25	Oct. 26	Very slight.	Very slight.	1.15	Distinctly vegetable.	Distinctly vegetable.	4.50	2.25	2.25	.0022	.0264	.0256	.0008	.68	.0070	.0000	1.4	0.7680	—
21,315	Nov. 22	Nov. 23	Very slight.	Very slight.	1.18	Faintly musty.	Distinctly musty.	5.40	2.45	2.95	.0050	.0288	.0282	.0006	.64	.0070	.0003	1.3	1.0240	—

These samples were collected from the conduit at the entrance to the receiving reservoir.

Scale of colors: 0=Colorless.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

Water Analysis. State Board of Health.

PARTS IN 100,000

Number.	Date of Collection.	Date of Examination.	Appearance. Turbidity.	Appearance. Sediment.	Color.	Odor. Cold.	Odor. Hot.	Residue on Evaporat'n. Total.	Residue on Evaporat'n. Loss on ignition.	Residue on Evaporat'n. Fixed.	Ammonia. Free.	Ammonia. Albuminoid. Total.	Ammonia. Albuminoid. In solution.	Ammonia. Albuminoid. In suspens'n.	Chlorine.	Nitrogen as Nitrates.	Nitrogen as Nitrites.	Hardness.	Oxygen Consumed.	Iron.
	1896																			
18,211	Dec. 29	Dec. 30	Slight.	Slight.	1.05	None.	Very faintly vegetable.	4.80	2.55	2.25	.0004	.0218	.0186	.0032	.63	.0020	.0001	0.9	1.5200	——
	1897																			
18,852	Mar. 23	Mar. 24	Very slight.	Very slight.	1.10	Distinctly vegetable.	Distinctly vegetable.	3.95	1.90	2.05	.0004	.0190	.0182	.0008	.56	.0030	.0002	0.8	.8840	——
19,532	June 21	June 22	Very slight.	Very slight.	1.10	Distinctly vegetable.	Distinctly vegetable.	3.95	1.85	2.10	.0010	.0166	.0150	.0016	.49	.0000	.0000	0.5	.9187	——
20,652	Sept. 27	Sept. 28	Slight.	Slight.	0.63	Distinctly vegetable.	Distinctly vegetable.	3.60	2.00	1.60	.0002	.0238	.0224	.0014	.56	.0000	.0000	0.3	.7440	——

These samples were collected from Long Pond.

Scale of colors: 0=Colorlesss.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

Water Analysis. State Board of Health.

PARTS IN 100,000.

Number.	Date of Collection.	Date of Examination.	Appearance. Turbidity.	Appearance. Sediment.	Appearance. Color.	Odor. Cold.	Odor. Hot.	Residue on Evaporat'n. Total.	Residue on Evaporat'n. Loss on ignition.	Residue on Evaporat'n. Fixed.	Ammonia. Free.	Ammonia. Albuminoid. Total.	Ammonia. Albuminoid. In solution.	Ammonia. Albuminoid. In suspens'n.	Chlorine.	Nitrogen as Nitrates.	Nitrogen as Nitrites.	Hardness.	Oxygen Consumed.	Iron.
	1896																			
18,210	Dec. 29	Dec. 30	Distinct slight scum.	Very slight.	0.20	None.	Faintly vegetable & mouldy.	3.45	1.40	2.05	.0000	.0194	.0142	.0052	.59	.0000	.0000	0.9	.4120	——
	1897																			
18,850	Mar. 23	Mar. 24	Slight.	Slight.	0.20	Distinctly vegetable.	Distinctly vegetable.	2.90	0.85	2.05	.0006	.0254	.0150	.0104	.54	.0050	.0000	0.6	.3040	——
19,534	June 21	June 22	Very slight.	Very slight.	0.22	Faintly vegetable.	Distinctly vegetable.	2.80	0.95	1.85	.0020	.0172	.0142	.0030	.53	.0020	.0000	0.6	.3375	——
20,651	Sept. 27	Sept. 28	Very slight.	Very slight.	0.15	Distinctly vegetable.	Distinctly vegetable & faintly mouldy	3.05	1.20	1.85	.0002	.0162	.0152	.0010	.56	.0000	.0000	0.6	.3200	——

These samples were collected from Little Quittacas Pond.

Scale of Colors: 0=Colorless.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

Water Analysis. State Board of Health.

PARTS IN 100,000.

Number.	Date of Collection.	Date of Examination.	Appearance. Turbidity.	Appearance. Sediment.	Appearance. Color.	Odor. Cold.	Odor. Hot.	Residue on Evaporat'n. Total.	Residue on Evaporat'n. Loss on ignition.	Residue on Evaporat'n. Fixed.	Ammonia. Free.	Ammonia. Albuminoid. Total.	Ammonia. Albuminoid. In solution.	Ammonia. Albuminoid. In suspens'n.	Chlorine.	Nitrogen as Nitrates.	Nitrogen as Nitrites.	Hardness.	Oxygen Consumed.	Iron.
	18	96																		
18,212	Dec. 29	Dec. 30	None.	Very slight.	0.58	None.	Very faintly vegetable.	4.35	1.85	2.50	.0008	.0212	.0182	.0030	.66	.0020	.0001	0.8	.8960	——
	18	97																		
18,851	Mar. 23	Mar. 24	Very slight.	Very slight.	0.67	Distinctly vegetable.	Distinctly vegetable.	3.40	1.25	2.15	.0008	.0180	.0170	.0010	.57	.0000	.0002	0.8	.6200	——
19,535	June 21	June 22	None.	Very slight.	0.60	Faintly vegetable.	Distinctly vegetable.	3.35	1.40	1.95	.0010	.0160	.0138	.0022	.52	.0000	.0000	0.6	.6037	——
20,650	Sept. 27	Sept. 28	Very slight.	Very slight.	0 43	Distinctly vegetable.	Distinctly vegetable.	3.60	1.85	1.75	.0000	.0136	.0122	.0014	.58	.0000	.0000	0.5	.5680	——

These samples were collected from Great Quittacas Pond.

Scale of colors: 0=Colorless.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

The flow from Little Quittacas was opened on March 1st when the water level stood one inch below high water mark. With the exception of the time included between May 17th and July 1st it ran continuously until October 31st when it was closed. The level of the surface of the pond meanwhile settled to 37 inches below high water.

The storing reservoir remained full until October when the surface gradually settled reaching the lowest point of the year on November 1st, 21 inches. It was quickly filled by the heavy rainfall of the past month where it now remains. There has been no special work required at the storing reservoir.

The right of way along the line of the conduit has been cleared of all underbrush, and small repairs have been made where needed.

Both the receiving and distributing reservoirs remain in good condition.

Engine No. 1 (McAlpine) has been in operation 4,571½ hours, making 3,805,642 revolutions and pumping 1,115,-053,106 gallons of water. The longest continuous run was from December 20th, 8 a. m. to February 1st, 2 p. m., 1,032 hours.

On April 9th it was noticed that this engine was not running with its accustomed smoothness. It appeared to develop an undue amount of friction at the crank connection. As the application of lubricants did not remedy the difficulty it was deemed prudent to stop at once and ascertain the cause. Upon the removal of the top of the pillow block the crank shaft was found nearly broken off. A very serious accident was probably averted by the prompt measures taken. The builders of the engine, the Quintard Iron Works of New York were notified at once, and a new crank shaft, supplied by them, was placed in position and the engine was again ready to operate on April 20th.

A new set of rubber pump valves have been procured for this engine this year.

The cost of pumping with this engine has been as follows:

Salaries, 26⅞ weeks,	at	$125.3113	$3,367.74	
406.8973 gross tons Pocahontas coal,	at	3.55	1,444.49	
249.70983 gross tons Pocahontas coal,	at	3.00	747.13	
83.92856 gross tons George's Creek Cumberland coal,	at	3.00	251.79	
⅜ cord white pine wood,	at	4.00	1.50	
41 7/10 gallons cylinder oil,	at	.40	16.57	
11⅞ gallons sperm oil,	at	.55	6.53	
49 1/10 gallons lubricating oil,	at	.32	15.70	
200 pounds waste,	at	.07	14.00	
5 brooms,	at	.17	.85	
Proportion of maintenance of electric light plant,			94.11	
Repairs to engine,			707.94	
Repairs to boilers,			7.74	$6,676.09

Cost of raising water into distributing reservoir per million gallons, $5.99.

Cost of raising water one foot high per million gallons, $4\frac{45}{100}$ cents.

Engine No. 2 (Worthington) has been in operation 748 hours, making 707,413 revolutions and pumping 104,697,124 gallons water. The longest continuous run was from April 9th, 3 o'clock p. m., to April 14th, 6 o'clock p. m., 123 hours.

At the date of my last report this engine was engaged in filling High Hill reservoir. This work was completed on December 5th, at 3.30 o'clock p. m., at which time it had run continuously (with the exception of a stop of three hours to fit a gate) since November 4th, at 3 o'clock p. m., 741½ hours. The total amount required to fill this reservoir was 70,579,128 gallons. Of this amount 9,741,656 gallons was pumped this year. This engine when built was proportioned for service into the Mt. Pleasant reservoir. Its work has been accomplished under 45 pounds

water pressure and 30 pounds steam pressure. To adapt it to the work of filling High Hill reservoir it is necessary to carry a working steam pressure of 35 pounds as the water pressure to be overcome is 81 pounds. Under these conditions it of course runs more slowly as compared to its rate under usual conditions.

The cost of pumping with this engine has been as follows:

Salaries, 4⅛ weeks,	at	$125.3113	$516.91	
84.5982 gross tons Pocahontas coal,	at	3.55	300.32	
10.60266 gross tons Pocahontas coal,	at	3.00	31.81	
1-5 cord white pine wood,	at	4.00	.80	
12⅜ gallons cylinder oil,	at	.40	4.95	
4⅜ gallons lubricating oil,	at	.32	1.40	
50 pounds waste,	at	.07	3.50	
Proportion of maintenance of electric light plant,			7.70	
Repairs to engines,			21.60	
Repairs to boilers,			1.19	$890.18

Cost of raising water into distributing reservoir per million gallons, $8.50.

Cost of raising water one foot high per million gallons, $6\frac{38}{100}$ cents.

Engine No. 3 (Worthington High Duty) has been in operation 3,738½ hours, making 4,366,393 revolutions and pumping 847,080,242 gallons of water. The longest continuous run was from February 1st, 8 a. m., to April 1st, 6 a. m., 1,390 hours.

This engine was installed in 1886. It has now operated 43,283½ hours, pumping 9,274,256,272 gallons. It has been maintained in a fair degree of efficiency by the repairs of each year, but now it is found that more extensive ones are becoming necessary. Important parts have become worn and need renewals. In this list may be included, new sleeves for the water plungers and new pistons for the low pressure steam cylinders. The steam valves also require attention. All this means a considerable outlay and so I would suggest that action be deferred

until some decision is reached concerning its future use. It can be operated in its present condition for some time to come although not so economically as if it were in the best of running order. Should it be decided to discontinue its use then these repairs will not be needed. But if it is to be used as an auxiliary to the new supply then these repairs should receive prompt attention just as soon as this decision is reached.

The cost of pumping with this engine has been as follows:

Salaries, 21 weeks,	at	$125.3113	$2,631.54	
454.91073 gross tons Pocahontas coal,	at	3.55	1,614.93	
⅛ cord white pine wood,	at	4.00	.50	
111½ gallons cylinder oil,	at	.40	44.60	
39¼ gallons lubricating oil,	at	.32	12.56	
158 pounds waste,	at	.07	11.06	
4 pounds Knowlton's packing,	at	1.25	5.00	
3 pounds Garlock's packing,	at	.85	2.55	
12 pounds square flax packing,	at	.35	4.20	
4 water glasses,	at	.13	.52	
4 brooms,	at	.17	.68	
Proportion of maintenance of electric light plant,			81.22	
Repairs to engine,			46.66	
Repairs to boilers,			5.82	$4,461.84

Cost of raising water into distributing reservoir per million gallons, $5.27.

Cost of raising water one foot high per million gallons, $4\frac{15}{100}$ cents.

The total cost of pumping for the past year may be summarized as follows, viz.:

1st. Figured on pumping station expenses, viz.:		
Cost of fuel used,	$4,393.27	
Salaries, engineers, firemen, watchmen,	6,516.19	
Cost of oil, waste, packing and other supplies,	327.70	
Repairs to machinery and boilers,	790.95	$12,028.11
Raising water into distributing reservoir per million gallons,		$5.82
Raising water one foot high per million gallons,		$4\frac{43}{100}$ cents.
2d. Figured on total maintenance,		$95,652.73

Raising water into distributing reservoir per million gallons, $46.28
Raising water one foot high per million gallons, $35\frac{23}{100}$ cents.

The boilers remain in good condition and no repairs are needed in this direction.

All other parts of the pumping plant are in good order.

In stating the condition of engine No. 3, I alluded to an uncertainty concerning its future use and this leads to the larger question which must soon be considered, viz.: What is to be the future of the present plant?

With the advent of the new supply there will come a large reduction of the feed to the present station. Little Quittacas will no longer send its waters to us through the Acushnet reservoir but they will be delivered through the new station at that place. Thus the supply to the Purchase street plant will be reduced to its original dimension, viz., the storing reservoir at Acushnet. This was the only supply to the city previous to 1886 at which time it nearly failed and compelled prompt action in obtaining the auxiliary supply from Little Quittacas. Our present consumption has reached a daily average of nearly six million gallons. The Acushnet reservoir will not supply a continuous daily average of over three million gallons. If used for an occasional supply it can of course be depended upon for a much larger daily amount. While it is not probable that after our citizens have become accustomed to the use of the clear colorless liquid from the Quittacas ponds they will willingly return to the darker colored water now supplied yet enough of the present pumping capacity should be retained necessary to meet any requirement which may be made upon it. There is only one main pipe leading from the High Hill reservoir to the city, the disabling of any portion of which, would render the service from this station extremely useful until repairs could be completed. A study of the situation may develop the fact that a portion of the present distributing

system may best be supplied through this station. It will not be necessary in any case to retain all the capacity now in use, and by removing a portion of the present machinery, room can be secured for other purposes.

A short time since it was discovered that the floor timbers of the workshop on North Water street had become so badly decayed as to render the future use of the building unsafe. New floors are now being laid and all other work necessary to place the building in thorough repair will be done.

The distributing mains have been increased 27,566 feet and there has been 8,844 feet of pipe previously laid removed. The total number of miles of pipe now in use is $87\frac{5097}{10000}$.

The sixteen inch pipe in Purchase street from a point near the south line of Dean street, southerly to Coggeshall street, a distance of 1,688 feet has been removed and replaced by a twenty-four inch main.

This is a section of the twenty-four inch pipe which is to be laid from the thirty-six inch main in Mt. Pleasant street at Grant street easterly by the Beacon Manufacturing Co. Mill, into and through Purchase street to Coggeshall street, where it will furnish the supply to the sixteen inch main in State street and a proposed sixteen inch pipe in Purchase street, leading south from Coggeshall street. It will also supply the sixteen inch main laid this year in Dean street from Purchase street easterly to Acushnet avenue.

At the date of my last report all the wrought iron cement lined pipe remaining in County street was in that portion between Union and Campbell streets, a length of 3,198 feet. This has now been removed and replaced with sixteen inch cast iron pipe. The pipe taken from Purchase street which was of rather a light weight was used in a portion of this work.

The four inch pipe in West French avenue from Social street south to Brock avenue and thence in Brock avenue south to Butler street has been removed and replaced by a twelve inch pipe in West French avenue and a ten inch pipe in Brock avenue. An eight inch pipe has been continued in Brock avenue from Butler street southerly 2,553 feet for the supply of the City Almshouse property. This line of pipe in Brock avenue has long been needed but has been heretofore delayed on account of the uncertainty of the widening and the proposed grades. The work of this widening and grading was entered upon this year and was promptly followed up by the placing of this pipe.

In connection with the thirty-six inch main leading from the High Hill reservoir to the city are several branches at the various roads which are passed. I would recommend that in each case a pipe be laid from the branch and a gate placed thereon and left for further extension when needed. This will obviate the necessity of shutting off water from this large main to make these connections after it becomes the connecting link of the new supply.

I would also recommend that a second portion of the twenty-four inch main heretofore mentioned and leading from Mt. Pleasant street to Purchase street be placed this coming year.

The only line of wrought iron cement lined pipe now remaining in use is that located in Cottage street from Maxfield to Kempton streets and from Court to Grove streets. All this I would recommend be removed and replaced with cast iron pipe previous to the introduction of the new supply.

There have been seven leaks upon the mains the past year, as herewith shown:

DATE.	SIZE.	LOCATION.	CAUSE.	COST.
Dec. 8.	8 in.	Fourth st., south of Bedford.	Joint started.	$2.47
Dec. 17.	16 in.	Linden st., west of County.	Pipe split.	24.53
Mch. 12.	4 in.	Russell st., west of Fourth.	Joint started.	3.39
July 28.	6 in.	Reynolds st., north of Weld.	Joint started.	1.91
July 28.	4 in.	Cannon st., east of Water.	Plug split.	3.23
Sept. 7.	10 in.	Riverside Ave., cor. Davis st.	Pipe settled.	8.88
Nov. 23.	8 in.	Second st., corner Howland.	Joint started.	4.86

Four hundred twenty-four service pipes have been laid and eleven of those previously laid have been removed. The total number now in use is 8,860.

One hundred eighty-two service taps have been cleaned as follows: Rust 147, eels 4, anchor ice 3, mud 13, trouble inside 15.

Forty-two new hydrants have been set and nineteen of those previously set have been removed. The total number now in use is 693.

Three new water cart hydrants have been set. The total number now in use is 45.

Fifty-five new stop gates have been set and nine of those previously set have been removed. The total number now in use is 974.

Four small sized stop gates (less than 4-inch) have been set. The number now in use is 72.

Five new waste gates have been set and three of those previously set have been removed. The total number now in use is 91.

Eight private stop gates have been set. The total number now in use is 193.

Four new air taps have been placed. The total number now in use is 38.

The total number of motors is 110.

The total number of meters now in use is 621. This list may be divided as follows:

Manufacturing supplies,	62
Domestic supplies,	556
Public supplies,	3

The following is a list of the different patterns used:

Crown,	242
Hersey,	111
Hersey Disc,	83
Empire,	73
Lambert,	57
Union Rotary,	36
Trident,	7
Thomson,	5
Gem,	4
Ball & Fitts,	2
Nash,	1

The following tables present interesting statistics regarding the consumption of water:

Monthly Consumption and Record of Pressure at the City Hall.

1897. Month.	Monthly Consumption Gallons.	Daily Average. Gallons.	Pounds Pressure. 10 A. M.			Pounds Pressure. Midnight.		
			Max.	Min.	Av.	Max.	Min.	Av.
January.	182,437,735	5,885,088	33	29	32	35	32	34
February.	159,240,307	5,687,154	34	28	32	34	32	33
March.	171,342,518	5,527,178	35	29	32	34	30	32
April.	157,843,228	5,261,441	34	30	32	34	31	33
May.	165,246,010	5,330,516	34	28	32	35	29	33
June.	169,106,233	5,636,874	34	29	32	34	32	33
July.	179,677,353	5,796,044	34	29	32	34	31	32
August.	178,667,574	5,763,470	34	30	32	34	31	33
September.	178,464,837	5,948,828	34	30	32	34	32	33
October.	176,983,864	5,709,157	34	30	32	39	32	33
November.	170,376,438	5,679,215	34	31	32	34	32	33
December.	182,316,381	5,881,174	34	30	32	35	32	33
Averages.	172,641,873	5,675,897	35	28	32	39	29	33

Comparison of the Consumption of the Year 1897 with the Record of the 15 Previous Years.

Year.	Estimated Population.	Estimated Number of Consumers.	Total Number of Gallons Consumed.	Average Daily Consumption.	Number of Taps.	Gallons per Day to Each Inhabitant.	Gallons per Day to Each Consumer.	Gallons per Day to Each Tap.
1882	28,500	20,424	859,119,622	2,326,352	4,203	82	114	553
1883	30,000	22,249	849,059,700	2,326,191	4,465	78	105	521
1884	33,000	23,749	867,815,595	2,371,080	4,691	72	100	506
1885	33,700	25,375	1,049,801,050	2,876,167	4,965	85	113	579
1886	34,500	28,480	1,086,534,615	2,976,807	5,225	86	104	569
1887	36,000	30,080	1,112,302,789	3,047,404	5,495	85	101	555
1888	37,500	31,826	1,229,841,794	3,360,223	5,785	89	109	581
1889	40,000	34,000	1,310,488,214	3,590,379	6,104	90	106	588
1890	41,500	35,740	1,485,143,213	4,066,200	6,394	98	114	636
1891	45,000	38,500	1,513,161,482	4,145,648	6,742	92	108	615
1892	50,000	41,776	1,607,955,166	4,393,320	7,134	88	105	616
1893	55,000	44,158	1,824,275,536	4,998,015	7,531	99	113	664
1894	56,000	44,661	1,747,167,532	4,786,760	7,767	85	107	616
1895	56,300	46,154	1,719,830,979	4,711,866	8,027	84	102	587
1896	59,000	48,570	1,924,800,313	5,259,017	8,447	89	108	623
1897	60,000	50,000	2,071,702,478	5,675,897	8,860	95	113	641

The maximum daily consumption was on Monday, Jan. 25th, 7,534,061 gallons; while the minimum was on Sunday, April 11th, 3,911,867 gallons.

The consumption shows an increase of 153,738,852 gallons over that of last year. There have been times when the rate of consumption has exceeded the full supply and the Mt. Pleasant reservoir lowered in consequence, but the night consumption and that of Sundays allows a surplus for refilling the same. This is too close a margin between the supply and demand, and emphasizes the fact that the work for securing the increased supply was not entered upon any too soon.

Respectfully submitted,

R. C. P. COGGESHALL,

Superintendent.

TABLE A.

Showing Rainfall at Storing Reservoir for 1897.

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1												
2								1.40				
3			.20		2.60						3.71	
4												
5	1.00				.32			.39				.68
6			.42	.97								
7		.44										
8												.23
9											.70	
10				2.19		.90		.16				
11				.23								
12			.31							.64	1.27	
13		1.40				1.10						
14			.64		1.26		.76					
15												1.92
16				.34				2.60	.36			
17												
18	.62										.24	
19							.21	1.58				
20			.79			.46					.16	
21	.92	.34			.19		.22			.72		.33
22							.57	.84				
23		.64										
24			.75				.85	1.26	.45		.34	
25					.43							
26												.35
27											.79	
28	1.28											
29							1.84			.20	.22	
30					1.90	.85						
31												
Totals.	3.82	2.82	3.11	3.73	6.70	3.31	4.45	8.23	.81	1.56	7.43	3.51

Total Fall for the Year, 49.48

TABLE A.

Showing Rainfall at New Bedford, as Registered by T. R. Rodman, for 1897.

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1						.01						
2			.04				.26	.03	.23		5.80	
3					2.15						.43	
4			.19		.36							.09
5	.28							.56				.60
6	.70		.37	1.12							.10	
7		.32										
8												.20
9						.07					.29	.02
10			.07	2.68		.62					.20	
11			.03	.25	.07		.11	.17				
12		1.48	.13					.12		.60	1.16	.56
13					.25	.60	.37		.04			
14			.50		1.12		.14					
15				.22				.47				1.88
16		.22			.15			4.60			.03	
17					.08				.04		.16	
18	.57											.03
19			.03				.34	.12				
20						.49					.12	
21	.72		.79				.36			.76		.43
22					.16		.24	.90				
23	.15	.50									.42	.05
24	.05	.01	.64				.15	1.60	.36			
25					.51							
26												
27									.21		.80	.32
28	1.10			.03								
29							1.88			.06		
30						.69					.23	.18
31					1.22							
Totals.	3.57	2.53	2.79	4.30	6.07	2.48	3.85	8.57	.88	1.42	9.74	4.36

Total Fall for the Year, 50.56

TABLE A.

Showing Rainfall at Pumping Station for 1897.

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1			.04			.05						
2							.20	.05	.25			
3					1.98		.28				5.67	
4			.22		.35							.08
5	1.04					.04		.56				.71
6			.46	1.16							.05	
7		.36										
8		.09								.06		.25
9						.06					.44	
10			.12	2.43								
11				.25	.08	.79	.12	.22				
12			.18		06		.36	.13		.48	1.26	.65
13		1.27			.18	.66	.26		.05			
14				.07	.55							
15			.44	.30	.64			.08				1.90
16		.20						3.80	.06		.05	
17					.26				.01		.17	
18	.60											.04
19			.01				.31	.27				
20						.44					.14	
21	.73	.26	.73		.15		.25			.75		.42
22			.02				.28	.95				.04
23	.16	.49									.44	
24	.05	.02	.59				.18	1.50	.40			
25					.64	.02	.01			.20		
26												.29
27				.05	.02		.02		.24		1.	
28	1.15			.02	.02		.03					
29							2.			.06		
30						.80					.21	.18
31					.88							.06
Totals.	3.73	2.69	2.81	4.28	5.81	2.86	4.30	7.56	1.01	1.55	9.43	4.62

Total Fall for the Year, 50.65.

TABLE A.

Summary of Monthly Meteorological Observations at the Pumping Station for the Year 1897.

Months.	Barometer Reduced to Sea Level and to 32°.							Thermometer.							Relative Humidity.				Wind.									Weather.						Rain and Snow.		Months.
																			Prevailing Direction.—Number of Days it was									Atmosphere.—No. of Days it was								
	7 A. M.	2 P. M.	9 P. M.	Mean.	Maximum.	Minimum.	Range.	7 A. M.	2 P. M.	9 P. M.	Mean.	Maximum.	Minimum.	Range.	7 A. M.	2 P. M.	9 P. M.	Mean.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Variable	Mean velocity in miles per hour.	Clear.	Fair.	Variable	Rain or Snow.	All others.	Mean amount of cloud.	Amount of rain or melted snow in inches.	Depth of snow in inches.	
January,	30.03	29.99	30.05	30.02	30.73	28.89	1.84	23.9	32.9	26.9	27.9	50	2	48	83.2	70.4	77.9	79.1	1	3		1	2	3	12	2	7	11.1	9		2	15	Cldy. 5	5	3.73	13	January.
February,	30.04	30.02	30.04	30 03	30.66	29.38	1.24	25.5	35.6	29.9	30.3	49	8	41	74.	69.	80.	77.8	1	5	1		2	4	6	3	6	11.3	10	4	3	11		4.2	2.69	10	February.
March,	30.06	29.99	30.03	30.03	30.84	29.01	1.83	32.5	41.0	35.6	36.4	57	5	52	82.5	64.8	81.1	76.1		3		1	2	6	1	9	9	12.	8	4	1	18		4.9	2.81	1¼	March.
April,	30.08	30.04	30.05	30.05	30.63	29.52	1.11	42.5	52.3	43.4	46.0	69	24	45	82.2	60.8	79.8	74.2	1	2			2	11	2	3	9	11.1	15	1	1	13		3.5	4.28		April.
May,	29.96	29.93	29.94	29.95	30.32	29.59	.73	53.5	61.0	52.7	55.7	75	36	39	86.2	70.2	88.0	81.5	2	6			4	13	1	1	4	11.1	4	6	4	17		5.5	5.81		May.
June,	29.93	29.90	29.92	29.91	30.28	29.62	.66	59.3	67.5	58.1	61.6	84	46	38	83.3	66.7	87.6	79.2	1	3	1		1	12	4	1	7	10.2	8	2	4	16		4.7	2.86		June.
July,	29.99	29.98	29.99	29.98	30.35	29.61	.74	68.0	74.8	67.4	70.0	83	52	31	91.0	75.2	92.8	86.3	1	4			5	16	1		4	10.	2	11	3	15		5.6	4.30		July.
August,	29.97	29.92	29.97	29.95	30.19	29.61	.58	65.0	73.8	65.5	68.0	88	55	33	90.9	68.5	90.1	83.2		2			4	12	3	2	8	7.5	10	8	3	10		4.3	7.56		August.
September,	30.07	30.07	30.09	30.08	30.37	29.72	.65	58.4	69.7	59.3	62.5	92	39	53	84.8	60.	84.6	76.5		3	1		2	8	3	7	6	8.6	15	5		10		2.8	1.01		September.
October,	30.13	30.10	30.13	30.12	30.62	29.53	1.03	47.7	60.4	49.6	52.6	85	27	58	86.7	59.6	85.	77.1	2	9			2	6	3	2	7	9.9	18	5		8		3.1	1.55		October.
November,	30.04	30.01	30.03	30.02	30.58	29.10	1.48	38.4	46.8	40.7	42.	66	8	58	84.5	65.7	83.7	78.	2	2	1	3	1	6	6	5	4	10.9	6.	3	2	19		5.4	9.43	6¼	November.
December,	30.05	30.01	30.01	30.02	30.57	29.27	1.30	30.9	38.1	34.6	34.5	58	8	50	84.1	70.9	84.8	79.9		2	1			6	6	5	11	9.8	6	2	5	18		5.2	4.62	2⅞	December.
Means for the year,	30.03	30.00	30.02	30.02				45.5	54.5	47.	49.				84.5	67.7	84.6	78.9										10.3						4.5			Means for the year.
Totals for the year,																			11	44	5	5	27	103	48	40	82		111	51	28	170	Cldy. 5		50.65	33⅞	Totals for the year.
Extremes,					30.84	28.89	1.95					92	2	90																							Extremes.

TABLE B.

Statement of Work done by Engine No. 1 [McAlpine] for the Year ending Dec. 1, 1897.

Diameter of steam cylinder, 38 in. Length of stroke, 8 feet. Average working steam pressure, 30 lbs.

Months.	Number of days or parts of days pumping.	Total pumping time per month.	Total number of strokes per month.	Average number of strokes per minute.	FUEL.						Total number of gallons pumped per month, allowance being made for slip.	Number of gallons pumped per pound of coal, for total coal.	Number of gallons raised 100 feet per pound of coal, for total coal.	Average dynamic head against pump in feet, no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes, no deductions.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on amount of combustible coal used while pumping.
					Lbs. of Wood. Wood——=Coal. 3	COAL.				Total fuel.						
						Raising steam and banking.	Ashes and clinkers.	Pumping.	Totals.							
		H. M.	Strokes.		LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	GALS.	GALS	GALS	FEET.	LBS.	LBS.
December, 1896	24	536	446,402	13.9		900	13,923	184,077	198,900	198,900	130,795,786	658	885	134.50	73,764,483	79,704,448
January, 1897	31	744	621,494	13.9			19,040	252,960	272,000	272,000	182,097,742	669	905	135.27	75,527,167	81,212,008
February, "	1	8	7,103	14.8			210	2,790	3,000	3,000	2,081,179	694	946	136.29	78,853,000	84,788,172
March, "																
April, "	11	220	180,393	13.7	425	300	5,775	76,425	82,500	82,642	52,855,149	641	863	134.59	71,790,227	77,630,199
May, "	31	697 30	568,706	13.6		900	16,810	222,440	240,150	240,150	166,630,858	694	933	134.44	77,797,814	83,991,841
June, "	13	285	229,781	13.4		300	6,689	88,561	95,550	95,550	67,325,833	705	953	135.14	79,414,720	85,680,952
July, "																
August, "																
September, "	30	708	611,766	14.4	225	1,300	18,568	245,382	265,250	265,325	179,247,438	676	908	134.29	75,663,166	81,812,226
October, "	29	660	562,176	14.2		300	17,241	228,759	246,300	246,300	164,717,568	669	897	134.14	74,816,926	80,553,810
November, "	30	713	577,821			400	17,860	236,890	255,150	255,150	169,301,553	664	890	134.00	74,154,279	79,870,254
Totals and av.	200	4,571 30	3,805,642		650	4,400	116,116	1,538,284	1,658,800	1,659,017	1,115,053,106	672	904	134.50	75,393,352	81,310,637

TABLE B.

Statement of Work done by Engine No. 2 (Worthington) for the Year Ending December 1, 1897.

Diameter of H. P. steam cylinder, 22 in.
Diameter of L. P. steam cylinder, 36 in. Length of stroke, 36½ in. Average working steam pressure, 30 lbs.

Months.	Number of days or parts of days pumping.	Total pumping time per month.	Total number of strokes per month.	Average number of strokes per minute.	FUEL.						Total number of gallons pumped per month, allowance being made for slip.	Number of gallons pumped per pound of coal, for total coal.	Number of gallons raised 100 feet per lb. of coal, for total coal.	Average dynamic head against pump in feet, no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes, no deductions.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on amount of combustible coal used while pumping.
					Lbs. of Wood. Wood ——— =Coal. 3	COAL. Raising steam and banking.	COAL. Ashes and clinkers.	COAL. Pumping	COAL. Total.	Total fuel.						
		H. M.	Strokes.		LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	GALS.	GALS	GALS	FEET.	LBS.	LBS.
December, 1896	10	187	155,678	13.9			3,623	48,127	51,750	51,750	23,040,344	445	698	156.87	58,248,474	62,632,117
January, 1897	1	10	8,213	13.7			185	2,465	2,650	2,650	1,215,524	459	589	128.41	49,122,737	52,809,434
February, "	3	51	49,311	16.1	200	1,000	1,018	12,532	14,550	14,617	7,298,028	502	635	126.53	52,687,409	61,453,228
March, "																
April, "	7	134	145,823	18.1			2,884	38,316	41,200	41,200	21,581,804	524	661	126.09	55,085,491	59,231,711
May, "																
June, "	7	108 30	105,364	16.2			2,048	27,202	29,250	29,250	15,593,872	533	676	126.81	56,382,962	60,627,922
July, "	10	114 30	98,063	14.3	110	800	2,163	27,937	30,900	30,936	14,513,324	470	597	126.97	49,677,058	55,011,602
August, "	7	72	61,413	14.2			1,344	17,856	19,200	19,200	9,089,124	473	599	126.59	49,978,849	53,740,698
September, "																
October, "	4	71	83,548	19.6			1,662	22,088	23,750	23,750	12,365,104	521	654	125.62	54,545,509	58,649,757
November, "																
Totals and av.	49	748	707,413	15.8	310	1,800	14,927	196,523	213,250	213,353	104,697,124	491	654	133.23	54,526,055	59,195,603

TABLE B.

Statement of Work done by Engine No. 3 [Worthington High Duty] for Year Ending December 1, 1897.

Diameter of H. P. steam cylinder, 18 in.
Diameter of L. P. steam cylinder, 36 in.

Length of stroke, 26 in.

Average working steam pressure, 110 lbs.

Months.	Number of days or parts of days pumping.	Total pumping time per month.	Total number of strokes per month.	Average number of strokes per minute.	FUEL.						Total number of gallons pumped per month, allowance being made for slip.	No. of gallons pumped per pound of coal, for total coal.	No. of gallons raised 100 feet per pound of coal, for total coal.	Average dynamic head against pump in feet, no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes, no deductions.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on amount of combustible coal used while pumping.
					Lbs. of Wood = Coal.	COAL.										
					Wood / 3 = Coal.	Raising steam and banking.	Ashes and clinkers.	Pumping.	Total.	Total fuel.						
		H. M.	Strokes.		LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	GALS.	GALS	GALS	FEET.	LBS.	LBS.
December, 1896	5	108	121,195	18.7			2,100	27,900	30,000	30,000	23,511,830	784	1,012	129.02	84,331,197	90,678,706
January, 1897																
February, "	27	646	776,053	20.0			12,849	170,701	183,550	183,550	150,554,282	820	1,039	126.71	86,679,354	93,203,879
March. "	31	744	878,625	19.7			14,549	193,301	207,850	207,850	170,453,250	820	1,038	126 65	86,621,660	93,141,329
April, "	17	383	428,923	18.7	150		7,175	95,325	102,500	102,550	83,211,062	812	1,029	126.68	85,727,371	92,224,935
May, "																
June, "	16	379	435,123	19.6	200	1000	7,014	92,186	100,200	100,267	84,413,862	842	1,072	127.33	89 403.092	97,240,143
July, "	31	734 30	850,864	19.3		200	13,548	179,802	193,550	193,550	165,067,616	853	1,08	127.36	90,587 402	97 513,886
August, "	31	744	875,610	19.6			14,094	187,256	201,350	201,350	169,868,340	844	1,073	127.15	89 462,952	96,196,466
September, "																
October, "																
November, "																
Totals and av.	158	3738 30	4,366.393	19.4	350	1200	71,329	946,471	1,019,000	1,019,117	847,080,242	831	1,056	127.04	88,065,751	94,825,211

TABLE C.

Location and Size of Cast Iron Pipe Laid in 1897.

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Acushnet avenue, from 837 feet north of Tarkiln Hill road north,						2907	
Adams street, County street west,						557	
Ashland street, from 81 feet south of Weld street, to 12 feet north of Durfee street,					180		
Ashley street, from Cove street south,						157	
Beech street, from Hillman street south,						72	
Bentley street, from Acushnet avenue west,						248	
Bolton road, from 476 feet north of Rivet street to Thompson,				103			
Bowditch street, from Holly street north,						193	
Bowditch street, from 4 feet north to 4 feet south of Dean street,						58	
Brock avenue, from West French avenue to Butler street,				3371			
Brock avenue, from Butler street south,					2553		
Bullard street, from 156 feet west of Acushnet avenue west,						418	
Bullard street, from Acushnet avenue east,						162	
Butler street, from 10 in. main east to connect,						18	
Clark street, from 72 feet east of Ashland street to Myrtle,						214	
Clinton street, from 198 feet east of Orchard street east,							19
Clinton street, from 373 feet east of Ash street east,						206	
County street, from 80 feet north of Peckham street to 91 feet south of Coggeshall,						59	
County street, from 6 feet south of Union street main to 9 feet south of Campbell street,		3198					
County street, from 6 feet south of Union street main south,			10				
Cove road, from West French avenue to Thatcher street,						258	
Cove road, from Margin to County street,						195	
Dean street, from Acushnet avenue to Purchase street,		1708					
Dudley street, from Brock avenue, west,						1036	

LOCATION AND SIZE OF PIPES LAID IN 1897.—*Continued.*

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Dunbar street, from 142 feet east of Dartmouth street east,						48	
Durfee street, from 6 feet west of Shawmut avenue west,						181	
Earle street, from Acushnet avenue east,						216	
East French avenue, from 293 feet South of Cove street south,			502				
Elm street, from 88 feet east of Park street east,						73	
Elm street, from 23 feet west of east line of County street, to 1 foot west of County street,					24		
Emerson street, from 168 feet north of Kempton street to Mill street,						9	
Front street, from Dean street north,						147	
Front street, from Dean street south,						86	
Fruit street from Bourne street to Dartmouth street,						230	
Harmony street, from new pipe line to old pipe line, Brock avenue,						46	
Hathaway avenue, from 239 feet east of Church street east,						71	
Hathaway avenue, from Acushnet avenue east,						180	
Hillman street, from Hunter street west,						796	
Hillman street, from County street main east,				15			
Hillman street, from Cottage to Spruce street,						177	
Holly street, from Front street east,				229			
Hollyhock street, from 133 feet east of Field street east,						187	
Hunter street, from 263 feet north of North street, to Hillman street,						20	
Jouvette street, from 338 feet west of County street west,						35	
Kempton street, from 22 feet west of east line of County street west,				22			
Maxfield street, from County street west,				10			
McGurk street, from new pipe line to old pipe line in Brock avenue,						44	
Merrimac street, from 200 feet west of County street west,					316		
Middle street, from 18 feet west of east line of County street to 4 feet west of County street,					36		
Mill street, from Chancery to Emerson street,						180	

LOCATION AND SIZE OF PIPES LAID IN 1897.—*Continued.*

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Mill street, from Newton street west,						121	
Moorland Terrace, from 335 feet east of Page street to Ash street,						436	
Morgan street, from County street west,					22		
North street, from 22 feet west of east line County street to 8 feet west of County street,					36		
Orchard street, from Thompson street north,					168		
Orchard street, from 178 feet south of Washington street south,					100		
Orchard street, from Bedford street to 305 feet south of Hawthorn,						359	
Palmer street, from 216 feet south of Court street south to Union street,						33	
Pierce street, from Court street north,						280	
Plummer avenue, from 4 feet west of Riverside avenue west,						84	
Purchase street, from 53.6 feet north of south line of Coggeshall street to near south line of Dean street,	1688						
Rotch street, from 139 feet south of Union street south,					74		
Summer street from Robeson street to Merrimac street,					242		
Sycamore street, from 358 feet west of Ash street west,						122	
Sycamore street, from 1 foot east to 7 feet west of County street,						53	
Tallman street, from 224 feet west of Acushnet avenue west,						199	
Thompson street, from 54 feet east of Bourne street east,						458	
Thompson street, from 119 feet east of Bonney street to Crapo,						137	
Thompson street, from Bolton road east,						121	
Tinkham street, from Acushnet avenue east,						275	
Union street, from Palmer to Sisson street,						200	
Union street, from east line County street to 5 feet west of County street,				55			
Viall street, from 369 feet south of Cove street south,						207	
West French avenue, from 4 feet north of south line of Social street to Brock avenue,			255				

LOCATION AND SIZE OF PIPE LAID IN 1897. — *Continued.*

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
William street, from 19 feet west of east line of County street to County street main,					13		
Wilson street, from 147 feet north of Austin street north,						48	
Totals,	1688	4906	767	3805	3764	12617	19

Main Pipe Removed in 1897.

LOCATION.	Cast Iron.			Cement Lined.				
	16 inch.	6 inch.	4 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Brock avenue from West French avenue to Butler street,			3405					
County street from south line Union to Union street main,						16		
County street, from Union to Hillman street,					2059			
County street, from Hillman street to 9 feet south of south line Campbell street,				1137				
Elm street, from County street east,								9
Elm street, from County street west,			15					
Harmony street, from Brock avenue north,			4					
Hillman street, from 17 feet west of east line County street to County street main,						15		
Kempton street, from County street east,								10
Kempton street, from County street west,							12	
Maxfield street, from County street west,						10		
Middle street, from County street east,							14	
Middle street, from County street west,		22						
Morgan street, from County street west,			22					
North street, from 22 feet west of east line County street to County street main,								10
Purchase street from Y branch north side Coggeshall to near south line Purchase avenue,	1688							
Seneca street from 271 feet east of Acushnet avenue east,		11						
Sycamore street, from 1 foot east to 7 feet west of County,			53					
Union street, from east line County street to County street main,						32		
Union street, from County street west,			23					
Warren street, from new pipe line to old pipe line Brock avenue,		25						

Main Pipe Removed in 1897—*Continued.*

LOCATION.	Cast Iron.			Cement Lined.				
	16 inch.	6 inch.	4 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
West French avenue, from 4 feet north of south line Social south			239					
William street, from 19 feet west of east line County street to County street main,								13
Totals,	1688	58	3757	1137	2059	73	26	42

SUMMARY.

Pipe Laid and Removed.

	36 inch.	30 inch.	24 inch.	20 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Previous to 1897:										
Cement,						1,137	2,059	83	40	3,163
Cast iron,	21,532	6,657	2,354	11,290	22,361	17,792	34,681	94,746	139,350	86,084
Cast iron laid during 1897,			1,688		4,906	767	3,805	3,764	12,617	19
Total pipe laid,	21,532	6,657	4,042	11,290	27,267	19,696	40,545	98,593	152,007	89,266
Cement removed in 1897,						1,137	2,059	73	26	42
Cast iron removed in 1897,					1,688				58	3,761
Total pipe now in use,	21,532	6,657	4,042	11,290	25,579	18,559	38,486	98,520	151,923	85,463

Total length laid in 1897, 27,566 feet, or 5.2208 miles.

Total length removed in 1897, 8,844 feet, or 1.6742 miles.

Total length of pipe in use Dec. 1, 1897, 462,051 feet, or 87.5097 miles.

TABLE D.

Location of Stop Gates Set in 1897.

STREETS.	LOCATION.	SIZE.					
		16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Acushnet ave.,	North side Wamsutta,				1		
Acushnet ave.,	At hydrant north of Tarkiln Hill road 542 feet,					1	
Acushnet ave.,	At hydrant north of Tarkiln Hill road 1195 feet,						1
Acushnet ave.,	North side road leading east at Ball's corner,					1	
Acushnet ave.,	At hydrant north of Tarkiln Hill road 1783 feet,						1
Acushnet ave.,	At hydrant north of Tarkiln Hill road 2392 feet,						1
Acushnet ave.,	At hydrant north of Tarkiln Hill road 2986 feet,						1
Acushnet ave.,	At hydrant north of Tarkiln Road, 3743 feet,					1	
Arnold,	East side Cottage,				1		
Ashley,	South side Cove,					1	
Bentley,	West side Acushnet ave.,					1	
Bowditch,	South side Dean,					1	
Bowditch,	North side Dean,					1	
Brock ave.,	East side West French ave.,			1			
Brock ave.,	At hydrant southwest corner David,					1	
Brock ave.,	At angle south of David,			1			
Brock ave.,	At hydrant southwest corner Willard,					1	
Brock ave.,	At hydrant southwest corner Woodlawn ave.,					1	
Brock ave.,	At hydrant southwest corner first street south of Norman,					1	
Brock ave.,	South side Butler,				1		
Brock ave.,	At hydrant south of Butler 1063 feet,					1	
Brock ave.,	South of Butler 1587 feet,				1		
Brock ave.,	At hydrant south of Butler 2538 feet,					1	
Bullard,	East side Acushnet ave.,					1	
Clinton,	West side Cottage,					1	
County,	North side Union,	1					
County,	South side Middle,	1					
County,	South side Hillman,	1					
Cove road,	West side West French ave.,					1	
Cove road,	East side County,					1	
Dean,	West side Acushnet ave.,	1					

LOCATION OF STOP GATES.—*Continued.*

STREETS.	LOCATION.	SIZE.					
		16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Dudley,	West side Brock ave.,					1	
Earle,	East side Acushnet ave.,					1	
Elm,	West side County,				1		
Front,	North side Dean,					1	
Front,	South side Dean,					1	
Fruit,	East side Dartmouth,					1	
Hathaway ave.,	East side Acushnet ave.,					1	
Hillman,	West side Cottage,					1	
Margin,	North side Cove road,						1
Maxfield,	West side Cottage,				1		
Middle,	West side County,				1		
Moorland Terrace,	West side Ash,					1	
Morgan,	West side County,				1		
North,	West side County,				1		
Pierce,	North side Court,					1	
Purchase,	North side Coggeshall,	1					
Summer,	South side Robeson,				1		
Sycamore,	East side County,					1	
Sycamore,	West side County,					1	
Thompson,	East side Bolton road,					1	
Tinkham,	East side Acushnet ave.,					1	
Union,	West side County,			1			
Union,	East side Cottage,						1
W. French ave.,	North side Cove road,		1				
	Totals,	5	1	3	10	30	6

Stop Gates Removed in 1897.

STREETS.	LOCATION.	Size. 10 inch.	6 inch.	4 inch.
County,	South side Middle,	1		
County,	South side Hillman,	1		
Elm,	West side County,			1
Middle,	West side County,		1	
Morgan,	West side County,			1
Old Point Road,	East of McGurk 161 feet,			1
Sycamore,	West side County,			1
Sycamore,	East side County,			1
Union,	West side County,			1
	Totals,	2	1	6

Number of Stop Gates set in 1897,	55
Number removed,	9
	46
Number in use at date of last report,	928
Number in use Dec. 1, 1897,	974

TABLE E.

Small-sized Stop Gates Set in 1897.

STREETS.	LOCATION.	SIZE 2 inch.
Acushnet ave.,	At watering cart hydrant north of Tarkiln Hill road 3741 feet,	1
Butler,	At watering cart hydrant east of Brock ave. 13 feet,	1
Clinton place,	South side Clinton,	1
Cove road,	At watering cart hydrant southwest corner West French ave.,	1
	Total,	4

Number set in 1897,	4
Number in use Dec. 1, 1896,	68
Number in use Dec. 1, 1897,	72

TABLE F.

Waste Gates Set in 1897.

STREETS.	LOCATION.	SIZE. 4 inch.	SIZE. 6 inch.
County,	South side Hillman,	1	
Middle,	East side County,	1	
Purchase,	North side Coggeshall,		1
Smith,	East side County,	1	
Union,	East side County,	1	
	Totals,	4	1

Removed.

Purchase at Coggeshall,	4 inch.
Purchase at Oneko mill,	4 "
County at Smith,	4 "
Number set in 1897,	5
Number removed,	3
	2
Number in use Dec. 1, 1896,	89
Number in use Dec. 1, 1897,	91

TABLE G.

Private Stop Gates set in 1897.

STREETS.	LOCATION.	SIZE.			
		6 inch.	4 inch.	3 inch.	2 inch.
Brock avenue,	At City Alms house,	1			
Brock avenue,	At Schoolhouse,				1
Bullard,	At St. Anthonys church,				1
Elm,	At W. S. Hill Electric Co.,			1	
Front,	At Wamsutta mills,		1		
Front,	At Armour & Co's,				1
Middle,	At North Christian church,				1
Weld,	At Union Street Railway Company car barn,	1			
	Totals,	2	1	1	4

Number set in 1897,	8
Number in use at date of last report,	185
Number in use Dec. 1, 1897,	193

TABLE H.

Location of Hydrants Set in 1897.

Acushnet avenue, west side, 1195.3 feet north of Tarkiln Hill road.
Acushnet avenue, west side, 1783.3 feet north of Tarkiln Hill road.
Acushnet avenue, west side, 2392.7 feet north of Tarkiln Hill road.
Acushnet avenue, west side, 2986.7 feet north of Tarkiln Hill road.
Acushnet avenue, west side, 3743.2 feet north of Tarkiln Hill road.
Adams street, south side, 538.3 feet west of County.
Ashley street, west side, 138.1 feet south of Cove.
Bowditch street, southwest corner Dean.
Brock avenue, southwest corner David.
Brock avenue, southwest corner Willard.
Brock avenue, southwest corner Woodlawn avenue.
Brock avenue, southwest corner first street south of Norman.
Brock avenue, west side, 1063 feet south of Butler.
Brock avenue, west side, 2538 feet south of Butler.
Bullard street, southeast corner Bowditch.
Cove road, southwest corner West French avenue.
Dudley street, south side, 122 feet east of West French avenue.
Dudley street, south side, 607 feet west of Brock avenue.
Durfee street, south side, 186.6 feet west of Shawmut avenue.
Earle street, south side, 180.7 feet east of Acushnet avenue.
East French avenue, west side, 807.2 feet south of Cove.
Hathaway avenue, south side, 308.9 feet east of Church.
Hathaway avenue, south side, 144 feet east of Acushnet avenue.
Hillman street, southeast corner Rockdale avenue.
Hollyhock street, south side, 318.6 feet east of Field.
Jouvette street, south side, 372 feet west of County.
Merrimac street, southwest corner Summer.
Middle street, southwest corner County.
Moorland Terrace, southwest corner Ash.
Morgan street, southwest corner County.
North street, southwest corner County.
Pierce street, west side, 253.7 feet north of Court.
Rotch street, west side, 213.7 feet south of Union.
Smith street, southwest corner County.
Sycamore street, southwest corner Chancery.
Tallman street, south side, 421.9 feet west of Acushnet avenue.
Thompson street, southwest corner Hemlock.
Thompson street, south side, 99.6 feet east of Hemlock.
Tinkham street, south side, 239.2 feet east of Acushnet avenue.

Union street, southwest corner County.
Viall street, west side, 576.1 feet south of Cove.
Warren street, southwest corner Brock avenue.

Removed.

Acushnet avenue, west side, 836.5 feet north of Tarkiln Hill road.	
Clark's Point road, west side, 650 feet east of French avenue.	Flush.
County street, northwest corner of Union.	Flush.
County street, southwest corner Morgan.	
County street, southwest corner Middle.	Double.
County street, southwest corner North.	Flush.
County street, southwest corner Maxfield.	Flush.
County street, southwest corner Smith.	
French avenue, west side, 14.5 feet south of Cove road.	Flush.
Hathaway avenue, south side, 233.4 feet east of Church.	
Hollyhock street, south side, 133 feet east of Field.	
Jouvette street, south side, 337.6 feet west of County.	
Merrimac street, south side, 200.4 feet west of County.	
Moorland Terrace, south side, 334.9 feet east of Page.	
Old Point road, west side, 2510 feet east of McGurk.	Flush.
Rotch street, west side, 140.2 feet south of Union.	
Sycamore street, south side, 76 feet west of Ash.	
Tallman street, south side, 223.5 feet west of Acushnet avenue.	
Viall street, west side, 368.8 feet south of Cove.	

Number set during 1897,	42
Number removed during 1897,	19
Number to be added,	23
Number in use at date of last report,	670
Total number in use Dec. 1, 1897,	693

TABLE I.

Watering Cart Hydrants Set in 1897.

Acushnet avenue, west side, 3741.2 feet north of Tarkiln Hill road.
Butler street, south side, 13 feet east of Brock avenue.
Cove road, southwest corner West French avenue.

TABLE J.

Location of Air Taps Set in 1897.

County street, southwest corner Morgan.
County street, west side, north of Kempton.
County street, southwest corner Hillman.
Dean street, southwest corner Purchase.

TABLE K.

Statement of Work done by the Service Department for the Year ending Dec. 1, 1897.

Kind and Size.	Number of Services.	Length on Taker.	Length on City.
Lead pipe ½-inch heavy,	78	1058	1577
Lead pipe ⅝-inch heavy,	133	2420	2925
Lead pipe ⅝-inch light,	87	1233	1775
Lead pipe ¾-inch heavy,	5	21.5	110
Lead pipe ¾-inch light,	107	1661.5	2256
Lead pipe 1-inch heavy,	3	159	67
Lead pipe 1-inch light,	3	257.5	66
Wrought iron pipe 2—1—¾-inch,		504	
Cast iron pipe 6—4—3—2-inch,	7	2647.5	14
Lead lined pipe 2-inch,	1	51	
Totals,	424	10013	8790

One ⅝-inch wrought iron service has been taken up and replaced with ⅝-inch light lead.

One ⅝-inch light lead service has been taken up and replaced with ¾-inch heavy lead.

One ½ inch heavy lead service has been taken up and replaced with ⅝ inch heavy lead.

One ⅝ inch wrought iron service has been taken up and replaced with ⅝ inch heavy lead.

One ⅝ inch heavy lead service has been taken up and replaced with 1 inch heavy lead.

One ⅝ inch tin lined service has been taken up and replaced with ¾ inch heavy lead.

One ¾ inch wrought iron service has been taken up and replaced with ¾ inch light lead.

Fifteen connections to services previously laid have been made by owners.

One connection to service previously laid has been made by the city using 25 feet of ¾ inch light lead pipe.

Six extensions to services previously laid have been made, using 46.5 feet of ¾ inch light lead and 65 feet of ⅝ inch heavy lead pipe.

Two $\frac{1}{2}$ inch heavy, three $\frac{5}{8}$ inch heavy, two $\frac{5}{8}$ inch light, one $\frac{3}{4}$ inch heavy, two 1 inch heavy lead services, and one $1\frac{1}{2}$ inch wrought iron service have been discontinued.

Length of service pipe laid during the year, 18,939.5 feet, or $3\frac{587}{1000}$ miles.

Total number of services in use Dec. 1, 1897, 8860.

TABLE L.

Air Taps in Use December 1, 1897.

Location.	Size.
Ashland street, southeast corner Linden,	⅝ inch.
Cedar street, west side, north of Maitland,	1 "
County street, west side, north of Locust,	⅝ "
County street, southwest corner Hillman,	⅝ "
County street, west side, north of Kempton,	⅝ "
County street, southwest corner Morgan,	⅝ "
County street, west side, head of Spring,	1 "
County street, west side, south of Bedford,	1 "
Dean street, southwest corner Purchase,	⅝ "
Durfee street, south side, west of Cottage,	1 "
Elm street, south side, east of County,	⅝ "
Hillman street, south side, east of County,	⅝ "
Kempton street, south side, east of County,	⅝ "
Middle street, south side, east of County,	⅝ "
Mt. Pleasant street, west side, north of King's Highway,	1 "
Mt. Pleasant street, west side, north of Nash road,	1 "
Mt. Pleasant street, north side gate box No. 40, south of Peckham street,	⅝ "
Mt. Pleasant street, south side gate box No. 40, south of Peckham street,	⅝ "
Mt. Pleasant street, east side gate box No. 41.	⅝ "
Mt. Pleasant street, south side gate box No. 42, south of Peckham street,	⅝ "
Mt. Pleasant street, north side Durfee, in 30 inch gate box,	⅝ "
Mt. Pleasant street, north side Durfee, in 24 inch gate box,	⅝ "
North street, south side, east of County,	⅝ "
Plainville road, south side, east of Shawmut ave. 3,744 feet,	1 "
Plainville road, south side, east of Shawmut ave. 5,734 feet,	1 "
Pleasant street, west side, north of Maxfield,	1 "
Pleasant street, west side, south of Hillman,	1 "
Pleasant street, west side, north of Kempton,	1 "
Pleasant street, west side, south of Kempton,	1 "
Sixth street, west side, north of Spring,	1 "
Sixth street, west side, south of Walnut,	1 "
Sixth street, west side, south of Bedford,	1 "
State street, west side, north of Austin,	1 "
State street, west side, north of Franklin,	1 "
Union street, south side, east of County,	1 "
William street, south side, east of County,	⅝ "
At High Hill reservoir, east side,	1 "
At High Hill reservoir, south side,	1 "

Total number in use, 38.

TABLE M.

Watering Cart Hydrants.

Acushnet avenue, west side, 4.5 feet north from north line Belleville road.
Acushnet avenue, west side, 13.5 feet north from north line Howard avenue.
Acushnet avenue, west side, 11.9 feet south from south line Tarkiln Hill road.
Acushnet avenue, west side, 3741.2 feet north from north line Tarkiln Hill road.
Allen street, north side, 154 feet east of Page.
Bedford street, south side, 86 feet west of Fourth.
Brock avenue, south side, 58 feet east of West French avenue.
Butler street, south side, 13 feet east of Brock avenue.
Campbell street, south side, 87 feet west of Purchase.
Cedar Grove street, south side, 63 feet east of Acushnet avenue.
Coffin avenue, south side, 16.5 feet west of Acushnet avenue.
Commercial street, south side, 20.2 feet east of Water.
County street, west side, 32.2 feet north of Allen.
Court street, north side, 15 feet east of Ash.
Cove road, southwest corner West French avenue.
Dartmouth street, east side, 13 feet south of Oak.
Elm street, south side, 57.4 feet west of Purchase.
First street, west side, 118 feet south of School.
First street, west side, 28 feet south of Grinnell.
Grinnell street, south side, 31 feet east of County.
Hawthorn street, south side, 17 feet east of Cottage.
Hawthorn street, head of Tremont.
Hazard street, south side, 21 feet west of Purchase.
Kempton street, south side, 72 feet west of County.
Kempton street, south side, 102 feet east of Newton.
Kempton street, south side, 16 feet east of Rockdale avenue.
Linden street, south side, 30 feet west of Purchase.
Locust street, south side, 25 feet west of County.
Madison street, south side, 17 feet east of Fourth.
Madison street, south side, 39 feet west of County.
Mill street, south side, 9 feet west of Purchase.
Mt. Vernon street, south side, 14 feet west of Mt. Pleasant.
Poplar road, north side, 32 feet west of Bolton road.
Reynolds street, west side, 8 feet north of Linden.
Robeson street, south side, 38 feet west of Cedar.
Sawyer street, north side, 419.8 feet east of Mitchell.

Smith street, south side, 53 feet east of Park.
Spring street, north side, 45.2 feet east of Seventh.
Summer street, west side, 4 feet north of Hillman.
Sycamore street, south side, 77 feet west of County.
Thompson street, south side, 72 feet west of Warwick.
Union street, south side, 65 feet west of County.
Water street, west side, 6 feet south of Blackmer.
William street, south side, 27 feet east of Second.
Willis street, south side, 7.5 feet east of Acushnet avenue.

Number now in use, 45.

TABLE N.

Location of Hydrants.

	Pressure in lbs.
Abbott street, northwest corner Ruth avenue	56
Acushnet avenue, west side, north of Tarkiln Hill road 3743.2 feet	35
Acushnet avenue, west side, north of Tarkiln Hill road 2986.7 feet	40
Acushnet avenue, west side, north of Tarkiln Hill road 2392.7 feet	44
Acushnet avenue, west side, north of Tarkiln Hill road 1783.3 feet	48
Acushnet avenue, west side, north of Tarkiln Hill road 1195.3 feet	52
Acushnet avenue, west side, 542 feet north of Tarkiln Hill road	54
Acushnet avenue, southwest corner Tarkiln Hill road	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet	53
Acushnet avenue, west side, north of Howard avenue 600 feet	53
Acushnet avenue, west side, north of Howard avenue 6 feet	54
Acushnet avenue, west side, south of Howard avenue 601 feet	55
Acushnet avenue, west side, north of Shaw 610 feet	51
Acushnet avenue, northwest corner of Shaw	47
Acushnet avenue, west side, north of Bellville road 603½ feet	45
Acushnet avenue, west side, head of Bellville road	42
Acushnet avenue, northwest corner of Nash road	40
Acushnet avenue, northwest corner of Hathaway avenue	40
Acushnet avenue, northwest corner of Davis	41
Acushnet avenue, southwest corner of Phillips avenue	39
Acushnet avenue, southwest corner of Dean	48
Acushnet avenue, west side, north of Sawyer 574½ feet	53
Acushnet avenue, southwest corner of Coggeshall	56
Acushnet avenue, southwest corner of Cedar Grove	54
Acushnet avenue, west side, south of Logan 335 feet	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double	62
Acushnet avenue, west side, north of Wamsutta 372 feet	60
Acushnet avenue, west side, south of Wamsutta 255 feet. Flush	63
Acushnet avenue, west side, at end of Wall street	62
Acushnet avenue, southeast corner of Pope. Flush	64
Acushnet avenue, northwest corner of Willis. Flush	61
Acushnet avenue, west side, south of Campbell 179 feet. Flush	59
Acushnet avenue, northwest corner of Maxfield. Flush	57
Acushnet avenue, northwest corner of Kempton. Flush	47
Acushnet avenue, northeast corner of Elm. Flush	47
Acushnet avenue, northwest corner of School	51
Acushnet avenue, northwest corner of Madison	57
Acushnet avenue, northwest corner of Russell	58

Acushnet avenue, northwest corner of Bedford 60
Acushnet avenue, west side, opposite Howland. Flush 61
Acushnet avenue, northwest corner of Potomska 50
Acushnet avenue, west side, north of Rivet 98 feet 59
Acushnet avenue, southwest corner of Blackmer. Flush 60
Adams street, south side, west of County 538.3 feet 33
Allen street, south side, 445 feet west of Rural 26
Allen street, southeast corner of Devoll 29
Allen street, southwest corner of Page 36
Allen street, north side, east of Page 159 feet. Flush 38
Allen street, northwest corner of Ward, Flush 41
Arch street, southwest corner of Union. Flush 24
Armour street, southwest corner of Union 24
Arnold street, south side, west of Orchard 96 feet 22
Arnold street, southwest corner of Chancery. Flush 33
Arnold street, southeast corner of Atlantic. Flush 32
Arnold street, south side, 15.3 feet west of James 24
Ash street, northwest corner of Middle 27
Ash street, southwest corner of Morgan. Double 25
Ash street, northwest corner of Arnold. Flush 32
Ash street, northwest corner of Maple. Flush 34
Ash street, northwest corner of Bedford 37
Ashland street, southwest corner of Clark 12
Ashley street, west side 138.1 feet south of Cove 60
Atlantic street, northwest corner of Maple 29
Atlantic street, southwest corner of Union 31
Austin street, southwest corner of Purchase 56
Austin street, southeast corner of State 42
Austin street, southwest corner of Ashland 15
Austin street, southeast corner of Cedar 19
Austin street, south side, on west line of Wilson 20
Austin street, southeast corner of Shawmut avenue 14
Babbitt street, south side, 207.5 feet west of Dartmouth 42
Babbitt street, southeast corner of Field 37
Bedford street, southwest corner of Fourth 53
Bedford street, southwest corner of Fifth 55
Bedford street, southwest corner of County 42
Bedford street, southwest corner of Orchard 33
Beech street, northwest corner of Kempton 18
Beetle street, southwest corner of Howard 55
Beetle street, southeast corner of Front 57
Belleville avenue, southwest corner of Washburn 61
Belleville avenue, west side, 118 feet north of Washburn 63
Belleville avenue, northwest corner of Cedar Grove 62
Belleville avenue, west side, 134 feet north of Coggeshall 62

Belleville avenue, northwest corner of Beetle 60
Belleville avenue, southwest corner of Plummer avenue 58
Belleville road, southwest corner of Diman 34
Belleville road, south side, east of Acushnet avenue 1,344 feet 40
Blackmer street, south side, east of Front 284 feet 59
Blackmer street, south side, east of Front 575 feet 60
Blackmer street, south side, east of Front 738 feet 60
Blackmer street, south side, east of Front 904 feet 60
Bolton road, west side, 370 feet north of Rivet 50
Bolton road, west side, north of Rotch Mill No. 2 49
Bolton road, west side, south of Rotch Mill No. 2 49
Bolton road, west side, south of Rivet 1027 feet 59
Bolton road, northwest corner of Poplar road 59
Bonney street, southwest corner of Allen 41
Bonney street, northwest corner of Grinnell 48
Bonney street, northwest corner of Rockland 54
Bonney street, southwest corner of Thompson 55
Borden street, northwest corner of Bedford 36
Borden street, southwest corner of Bay 42
Bowditch street, southwest corner of Weld 56
Bowditch street, west side, 313 feet south of Cedar Grove 55
Bowditch street, west side, north of Cedar Grove 244 feet 55
Bowditch street, northwest corner of Coggeshall 49
Bowditch street, southwest corner of Dean 42
Bowditch street, west side, 358 feet north of Coffin avenue 34
Bowditch street, southwest corner of Davis 29
Bowditch street, west side, north of Davis 175 feet 28
Bridge avenue, north side, 44 feet west of draw. Flush 62
Bridge avenue, south side, 11 feet west of draw. Flush 62
Brock avenue, southwest corner of David 45
Brock avenue, southwest corner of Woodlawn avenue 45
Brock avenue, southwest corner of Willard 44
Brock avenue, southwest corner, first street south of Norman 45
Brock avenue, west side, 1063 feet south of Butler 48
Brock avenue, west side, 2538.1 feet south of Butler 51
Brownell street, west side, 294 feet south of Union 22
Bullard street, southwest corner of Belleville avenue 60
Bullard street, southeast corner of Front 50
Bullard street, southeast corner of Bowditch 44
Bullock street, southwest corner of Trinity 14
Butler street, south side, 1635 feet east of Brock avenue. Flush . . 55
Butler street, south side, 287 feet east of Brock avenue. Flush . . . 40
Campbell street, southwest corner of Purchase 49
Campbell street, south side, east of County 163 feet. Flush 28
Campbell street, south side, 216.5 feet west of County 25

Campbell street, southwest corner of Cottage 19
Campbell street, south side, east of Shawmut ave. 205 feet. Flush . 18
Cannon street, south side, east of Second 164 feet 63
Cedar street, northwest corner of Elm. Double 25
Cedar street, southwest corner of Kempton. Flush 26
Cedar street, west side, north of Mill 75 feet. Flush 23
Cedar street, southwest corner of Hillman. Flush 23
Cedar street, northwest corner of Sycamore. Flush 21
Cedar street southwest corner of Campbell. Flush 18
Cedar street, southwest corner of Parker. Flush 19
Cedar Grove street, southeast corner of Front 60
Cedar Grove street, southeast corner of Howard 58
Cedar Grove street, south side, 383 feet west of Bowditch 57
Cedar Grove street, northwest corner of Purchase 56
Cedar Grove street, southwest corner of County 43
Cedar Grove street, south side, 183.5 feet west of County 40
Centre street, south side, east of Water 85 feet. Flush 56
Chancery street, southwest corner of Maple 34
Chancery street, west side, north of Arnold 406 feet 33
Chancery street, southwest corner of Elm 28
Chancery street, west side, south of Parker 176 feet 24
Chancery street, west side, north of Parker 650 feet 16
Cherry street, southeast corner of Seventh. Flush 38
Chestnut street, southwest corner of North. Flush 19
Chestnut street, west side, north of Campbell 96 feet. Flush 22
Chestnut street, southwest corner of Merrimac 16
Church street, southwest corner of Hathaway avenue 33
Church street, west side, 591.4 feet north of Coffin avenue 36
Clark street, southwest corner of State 46
Clark street, south side, west of County 218 feet 34
Clay street, northwest corner of Columbia 44
Cleveland avenue, west side, 681 feet south of Cove 54
Clinton street, south side, east of Orchard 125 feet. Flush 26
Clinton street, south side, west of Ash 242.5 feet 44
Coffin avenue, southwest corner of Church 40
Coffin avenue, south side, opposite Oneko lane 40
Coffin avenue, southeast corner of Bowditch 40
Coffin avenue, southeast corner of Front 50
Coffin avenue, southwest corner of Belleville avenue 59
Coffin avenue, northwest corner of Riverside avenue 56
Coffin avenue, south side, east of Riverside avenue 227 feet 56
Coffin avenue, north side, east of Riverside avenue 414 feet 56
Coffin street, north side, 262 feet east of Water 62
Coggeshall street, south side, 654 feet east of Mitchell 63
Coggeshall street, south side, 498 feet east of Mitchell 62

Coggeshall street, south side, 334 feet east of Mitchell 62
Coggeshall street, north side, 148 feet east of Mitchell 62
Coggeshall street, southeast corner of Belleville avenue 62
Coggeshall street, southwest corner of Front 61
Coggeshall street, southwest corner of Purchase 53
Coggeshall street, southeast corner of County 43
Coggeshall street, south side, 384 feet west of County 36
Collette street, south side, east of Acushnet avenue 275 feet 38
Collins street, southeast corner of Glover 15
Columbia street, southwest corner of Allen 40
Commercial street, north side, east of Front, 82 feet 62
Cottage road, south side, 435 feet west of Bolton road 55
Cottage street, southwest corner of Bay 43
Cottage street, northwest corner of Allen. Flush 42
Cottage street, northwest corner of Bedford. Flush 37
Cottage street, northwest corner of Hawthorn. Flush 31
Cottage street, southwest corner of Arnold. Flush 23
Cottage street, southwest corner of Union. Flush 22
Cottage street, southwest corner of Kempton 22
Cottage street, northwest corner of Hillman 20
Cottage street, northwest corner of Sycamore 20
Cottage street, northwest corner of Parker 23
Cottage street, west side, 237 feet north of Locust 20
Cottage street, west side, 92 feet south of Austin 17
Cottage street, southwest corner of Durfee 8
County street, southwest corner of Sawyer 44
County street, southeast corner of Penniman 44
County street, west side, 234½ feet south of Clark 43
County street, west side, 115 feet south of Weld 42
County street, southwest corner of Austin 33
County street, west side, head of School 23
County street, southwest corner of Madison 27
County street, southwest corner of Hawthorn 32
County street, northwest corner of Allen 45
County street, southwest corner of Grinnell 61
County street, northwest corner of South 62
County street, northwest corner of Winsor 57
County street, west side, 71 feet north of Division 54
County street, northwest corner of Cove road 62
Court street, southwest corner of Orchard 20
Court street, southeast corner of Cedar 20
Court street, northeast corner of Ash 20
Court street, southwest corner Emerson 25
Court street, south side, west from Park 304 feet. Flush 32
Court street, south side, head of Jenney 23

Court street, south side, east of Reed 300 feet 22
Cove road, southwest corner of West French avenue 58
Cove road, southwest corner of Shore street 61
Cove road, north side, 365 feet west of County 61
Cove street, southwest corner of Cleveland avenue 61
Cove street, southwest corner of Harrison avenue 61
Cove street, southwest corner of Salisbury 59
Cove street, southwest corner of Viall 59
Cove street, southwest corner of McGurk 59
Cove street, southwest corner West French avenue 57
Cove street, southeast corner Stapleton 55
Cove street, southeast corner of County 62
Crapo street, west side, south of Washington 343 feet. Flush. . . . 60
Crapo street, west side, south of Rockland 225 feet. Flush 63
Crapo street, west side, 160 feet south of Thompson 58
Dartmouth street, east side, southwest of Orchard 110 feet 46
Dartmouth street, east side, 125 feet south of Hickory 47
Dartmouth street, east side, 260 feet south of Rockland 45
Dartmouth street, east side, 99 feet south of Thompson 44
Dartmouth street, southeast corner of Larch 42
Dartmouth street, northeast corner of Dunbar 41
Davis street, southwest corner of Riverside avenue 56
Davis street, south side, 321.8 feet east of Front 50
Davis street, southwest corner of Front 46
Dean street, southwest corner of Belleville avenue 62
Dean street, southeast corner of Front 50
Delano street, southwest corner of Water 57
Delano street, southeast corner Acushnet avenue 57
Division street, southeast corner of Second 61
Division street, south side, 527 feet west of County 62
Division street south side, east of Crapo 6 feet 58
Dudley street, south side, 122 feet east of West French avenue . . . 60
Dudley street, south side, 607 feet west of Brock avenue 48
Durfee street, southwest corner of Cedar 15
Durfee street, southwest corner of Bullock 17
Durfee street, southwest corner of Shawmut avenue 12
Durfee street, south side, 186.6 feet west of Shawmut avenue 14
Earle street, south side, 180.7 feet east of Acushnet avenue 43
East French avenue, west side, 807.2 feet south of Cove 62
East French avenue, northwest corner of Abbott 61
Edwards street, south side, 90 feet east of Field 35
Elm street, southwest corner of Purchase 43
Elm street, southwest corner of Pleasant 37
Elm street, southwest corner of Eighth 21
Elm street, southwest corner of Summer. Flush 18

Elm street south side, 43.5 feet west of Florence 26
Elm street, southeast corner Palmer 14
Emerson street, west side, 173.8 feet north of Arnold 29
Field street, northwest corner of Stowell 37
Fifth street, southwest corner of Union 41
Fifth street, southwest corner of School 45
Fifth street, west side, south of Madison 245 feet. Flush. 50
Fifth street, northwest corner of Wing 59
Fifth street, northwest corner of Grinnell. Flush 61
First street, southwest corner of Spring. Flush 58
First street, west side, south of School 109 feet. Flush 57
First street, west side, south of Howland 185 feet. Flush 65
First street, northwest corner of Potomska 59
Florence street, southwest corner of Hillman 24
Florence street, northwest corner of Mill 24
Florence street, west side, 199.6 feet south of Kempton 27
Florence street, southwest corner of Morgan 29
Forest street, south side, west of County 90 feet. Flush 53
Foster street, southwest corner of High 30
Fourth street, southwest corner of Union. Flush 46
Fourth street, west side, north of School 106 feet. Flush 46
Fourth street, west side, south of Madison 210 feet. Flush 54
Fourth street, east side, opposite Washington 57
Fourth street, northwest corner of Rockland. Flush 62
Fourth street, west side, south of Potomska 61 feet 58
Franklin street, southwest corner of Pleasant. Flush 43
Franklin street, southwest corner of State 38
Front street, southwest corner of Holly 56
Front street, west side, south of Washburn 319 feet. Flush 62
Front street, southwest corner of Logan 60
Front street, west side, 190.2 feet south of Logan 62
Front street, west side, south of Logan, 383 feet 63
Front street, west side, 235.2 feet north of Wamsutta 63
Front street, southeast corner of Wamsutta 63
Front street, southwest corner of Middle 62
Front street, southwest corner of Hazard's lane. Flush 61
Front street, northwest corner of Rodman 61
Front street, southwest corner of Centre. Flush 61
Front street, west side, south of Commercial 86 feet. Flush 63
Front street, northwest corner lane head of Merrill's wharf. Flush . 65
Front street, west side, south of Howland 268 feet 61
Front street, southwest corner of Grinnell 62
Front street, west side, south of South 330 feet 62
Front street, west side, 191 feet north of Blackmer 59
Front street, west side, north of Delano 191 feet 62

Front street, west side, south of Delano 200 feet 57
Fruit street, south side, east of Hemlock 126.5 feet 53
Fruit street, south side, 25.5 feet west of Mulberry 46
Gifford street, south side, 274 feet east of Water 65
Gifford street, south side, 167.8 feet west of Harbor 60
Gifford street, south side, 299.3 feet east of Harbor 62
Grand street, south side, 750 feet west of Shawmut avenue 14
Granfield street, west side, 263 feet north of Coggeshall 59
Grape street, south side, west of Lewis 131 feet 36
Grape street, southwest corner of Small 35
Grape street, southwest corner of Devoll 29
Griffin street, southwest corner of Second. Flush 62
Grinnell street, south side, west of Acushnet avenue 76 feet. Flush . 60
Grinnell street, south side, east of Crapo 103 feet. Flush 58
Grinnell street, southwest corner of Orchard 50
Grove street, southwest corner of Anthony 26
Harbor street, east side, 195 feet north of Cove 60
Harbor street, east side, 372 feet north of Cove 60
Harbor street, east side, 540 feet north of Cove 60
Harbor street, east side, 195.8 feet south of Gifford 61
Harbor street, southeast corner of Gifford 61
Harmony street, southwest corner of Social 59
Harrison street, southwest corner of Hickory 48
Hathaway avenue, south side, 144 feet east of Acushnet avenue . . . 41
Hathaway avenue, south side, 308.9 feet east of Church 32
Hawthorn street, southeast corner of Page. Flush. 28
Hawthorn street, south side, east of Tremont 147 feet 28
Hawthorn street, southwest corner of Brigham 26
Hawthorn street, south side, 301 feet west of Brigham 24
Hazard street, south side, west of State 140 feet. Flush 36
Hazard street, southwest corner of Pleasant. Flush 46
Hemlock street, west side, 231 feet south of Rockland 50
Hicks street, south side, east of Acushnet avenue 276 feet 56
High street, south side, east of Acushnet avenue 43 feet. Flush . . 48
High street, southwest corner of Purchase 42
High street, south side, east of County 177 feet. Flush 23
Highland street, west side, 418.4 feet north of Durfee 12
Hillman street, southwest corner of Second. Flush 57
Hillman street, southwest corner of Purchase 45
Hillman street, southwest corner of Pleasant 35
Hillman street, head of State 27
Hillman street, head of Thomas 23
Hillman street, southwest corner of Chancery 29
Hillman street, southeast corner Rockdale avenue 13
Holly street, southwest corner of Belleville avenue 61

Holly street, southwest corner of Bowditch 48
Holly street, southeast corner of Brook 47
Hollyhock street, south side, 318.6 feet east of Field 42
Homer street, southwest corner of Locust 18
Howard avenue, south side, 364 feet east of Acushnet avenue 52
Howland street, northeast corner of Second. Flush 63
Howland street, south side, 19.2 feet west of Prospect 60
Hunter street, southwest corner of Hillman 20
Independent street, south side, 480 feet west of County 57
Independent street, southeast corner of Crapo 56
Irving court, north end of court. Flush 25
James street, west side, 107 feet north of Arnold 24
James street, southwest corner of Court 24
Jouvette street, south side, west of County 372 feet 59
Katharine street, southeast corner of Crapo 58
Katharine street, south side, 442 feet west of County 57
Kempton street, southwest corner of Pleasant 36
Kempton street, south side, opposite Hill 23
Kempton street, southwest corner of County 15
Kempton street, southwest corner Summer 14
Kempton street, southwest corner of Emerson. Flush 26
Kempton street, southwest corner Park. Flush 28
Kempton street, southwest corner of Liberty. Flush 29
Kempton street, southeast corner of Jenney. Flush 26
Kempton street, south side, west of Hunter 50 feet 21
Kempton street, southwest corner of Francis 14
Kilburn street, north side, east of Front 244 feet 62
Kilburn street, north side, east of Front 581 feet 64
Larch street, south side, 120 feet east of Mulberry 45
Larch street, south side, 129 feet east of Hemlock 51
Liberty street, west side, south of Kempton 339 feet. Flush 30
Lincoln street, west side, south of Union 171 feet. Flush 23
Linden street, south side, west of State 13½ feet 43
Linden street, south side, west of County 169 feet 34
Linden street, south side, 67½ feet west of Reynolds 24
Linden street, south side, 6½ feet east of Ashland 14
Lindsey street, west side, 173 feet south of Kempton 27
Lindsey street, northwest corner of Morgan 24
Locust street, southwest corner County 19
Locust street, southwest corner Chestnut 23
Locust street, southeast corner of Richmond 15
Logan street, south side, east of Acushnet avenue 400 feet. Flush . 62
Logan street, southwest corner of Acushnet avenue. Flush 63
Lombard street, west side, 209½ feet south of Rockland 50
Madison street, southwest corner of First. Flush 61

Madison street, southwest corner of Sixth 41
Maitland street, southwest corner of Cedar 19
Maitland street, south side, 101 feet west of Richmond 16
Maxfield street, southwest corner of Second 58
Maxfield street, southwest corner of Purchase 46
Maxfield street, southwest corner of Pleasant 38
Maxfield street, southwest corner of Foster 33
Maxfield street, southwest corner of County 22
Maxfield street, southwest corner Chestnut 15
Maxfield street, southeast corner of Spruce. Flush 21
Maxfield street, southeast corner of Ash 22
Maxfield street, south side, 44.4 feet east of Chancery 27
McGurk street, west side, 348 feet north of Brock avenue 55
Mechanics lane, northwest corner of Purchase 42
Mechanics lane, north side, east of Eighth 206 feet. Flush 30
Merrimac street, southwest corner of State 41
Merrimac street, southwest corner Summer 19
Middle street, southwest corner of Second 52
Middle street, southwest corner of Acushnet avenue 46
Middle street, southwest corner of Purchase 42
Middle street, southwest corner of Pleasant 35
Middle street, southwest corner of Sixth 30
Middle street, southwest corner County 20
Middle street, south side, east of Cedar 371 feet. Flush 32
Middle street, southeast corner of Chancery. Flush 29
Mill street, northwest corner of Purchase 43
Mill street, south side, west of Hill 191 feet. Flush 25
Mill street, south side, west of Ash 45 feet. Flush 25
Mill street, south side, 104 feet east of Park 25
Mill street, southeast corner of Newton 26
Mill street, south side, 138 feet west of Hunter 18
Mill street, south side, 97.9 feet west of Beech 14
Mitchell street, northwest corner of Coggeshall 61
Mitchell street, west side, 178.8 feet north of Coggeshall 63
Mitchell street, west side, 345 feet south of Sawyer 61
Mitchell street, southwest corner of Sawyer 61
Moorland Terrace, southwest corner of Ash 33
Morgan street, southwest corner County 20
Morgan street, southwest corner of Cottage. Flush 33
Morton's court, west side, 385.3 feet north of Cove 59
Mosher street, south side, west of County 517 feet 59
Mosher street, southeast corner of Crapo 55
Mt. Pleasant street, west side south of Tarkiln Hill road 35 feet . . .
Mt. Pleasant street, west side, north of Nash road 1,671 feet . . . .
Mt. Pleasant street, west side, north of Nash road 348 feet . . . . .

Mt. Pleasant street, west side north of railroad fence 285 feet . . . .
Mt. Pleasant street, west side, south of Hathaway road 40 feet . . .
Mt. Pleasant street, west side, north of Peckham-West Cemetery 277 feet . . . . . .
Mt. Pleasant street, west side, south of Peckham-West Cemetery 74 feet . . . . . .
Mt. Pleasant street, west side, north of reservoir 837 feet . . . . . .
Mt. Pleasant street, west side, north of reservoir 450 feet . . . . . .
Mt. Pleasant street, west side, north of reservoir 40 feet . . . . . .
Mt. Pleasant street, west side, south of Peckham 217 feet . . . . . .
Mt. Vernon street, southwest corner of Mt. Pleasant 5
Mt. Vernon street, southeast corner of Vine. Flush 5
Myrtle street, west side, 22 feet south of Weld 23
Myrtle street, southwest corner of Clark 18
Nelson street, south side, 541.6 feet west of County 60
Newton street, northwest corner of Elm 29
North street, southeast corner of Second 54
North street, southwest corner of Acushnet avenue 49
North street, southwest corner of Purchase 44
North street, northwest corner of Pleasant 35
North street, southwest corner of Foster 30
North street, southwest corner of Hill 26
North street, southwest corner of County 20
North street, southwest corner of Park 29
North street, south side, 258 feet west of Newton 24
North street, southwest corner of Hunter 22
North street, southwest corner of Beech 17
Nye street, southwest corner of Belleville avenue 60
Nye street, southwest corner of Front 54
Nye street, south side, west of Acushnet avenue 204 feet 42
Oak street, southwest corner of Harrison 45
Oak street, northwest corner of Grape 41
Oak street, southwest corner of Allen 38
Ocean street, west side, 184½ feet south of Arnold 32
Orchard street, southwest corner of Madison 27
Orchard street, southwest corner of Grove 34
Orchard street, west side, north of Rockland 98 feet 48
Page street, west side, 429½ feet south of Hawthorn 36
Palmer street, northwest corner of Union 20
Park place, south side, west of Sixth 306 feet. Flush 32
Park street, west side, 27.1 feet south of Maxfield 24
Park street, southwest corner of Hillman 25
Park street, west side, south of Kempton 339 feet 27
Park street, northwest corner of Court 28
Park street, west side, north of Arnold 263 feet 34

Parker street, south side, at Oak Grove cemetery 25
Parker street, southwest corner of Sumner. Flush 27
Parker street, southwest corner of County 21
Pearl street, southwest corner of Pleasant 41
Pearl street, southwest corner of Purchase 50
Phillips avenue, southwest corner of Riverside avenue 56
Pierce street, west side, 253.7 feet north of Court 30
Pine street, northwest corner of Cross. Flush 65
Plainville road, south side, east of Shawmut avenue 705 feet . . . .
Plainville road, south side, east of Shawmut avenue 1,139 feet . . .
Plainville road, south side, east of Shawmut avenue 2,317 feet . . .
Plainville road, south side, east of Shawmut avenue 3,113 feet . . .
Plainville road, south side, east of Shawmut avenue 3,920 feet . . .
Pleasant street, northwest corner of Market 40
Pleasant street, west side, north of William 21½ feet 40
Pleasant street, east side, foot of Sycamore 39
Pleasant street, northwest corner of Pope. Flush 42
Pleasant street, northwest corner of Austin. Flush 47
Pleasant street, southwest corner of Linden. Flush 48
Pleasant street, southwest corner of Weld 48
Plummer avenue, southwest corner of Riverside avenue 56
Plummer avenue, south side, 177 feet east of Belleville avenue . . . 58
Pope street, south side, opposite North Oak 27
Pope street, southwest corner of Summer 20
Poplar road, south side, 431 feet west of Bolton road 52
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street 64
Prospect street, west side, 275.2 feet north of Grinnell 61
Prospect street, northwest corner of Grinnell 63
Prospect street, west side, north of Potomska 324½ feet 62
Prospect street, northwest corner of Potomska 63
Purchase street, northwest corner of Dean 43
Purchase street, west side, opposite Oneko Mill 48
Purchase street, east side, opposite Clark 58
Purchase street, west side, opposite Logan. Flush 58
Purchase street, northwest corner of Merrimac. Double 51
Purchase street, northwest corner of Pope. Flush 52
Purchase street, west side, 348 feet south of Campbell 48
Purchase street, northwest corner of Union. Flush 43
Purchase avenue, northeast corner of Purchase 42
Reed street, west side, 145 feet north of Court 19
Reed street, southwest corner of Elm 14
Reed street, southwest corner of Middle 14
Reynolds street, southwest corner of Weld 26

Reynolds street, west side, 17.9 feet south of Clark 29
Rivet street, southwest corner of Second. Flush 62
Rivet street, southwest corner of County 59
Rivet street, southwest corner of Bonney 59
Rivet street, southeast corner of Bolton road 56
Rivet street, southwest corner of Hemlock 51
Robeson street, southwest corner of County 20
Robeson street, southwest corner of Ashland 15
Robeson street, southeast corner of Cottage 19
Robeson street, southeast corner of Cedar 21
Robeson street, south side, 424 feet west of Cedar 17
Rockdale avenue, southwest corner of Bolton road 57
Rockdale avenue, south side, 327 feet west of Bolton road 54
Rockland street, southwest corner of County 58
Rockland street, southeast corner of Hall 56
Rockland street, south side, 13 feet west of Orchard 54
Rockland street, south side, 179.3 feet east of Hemlock 51
Rockland street, southwest corner of Lombard 50
Rotch street, west side, south of Union 213.7 feet 23
Rounds street, northwest corner of Elm 22
Rural street, southwest corner of Allen 28
Russell street, south side, east of Fifth 92 feet. Flush 54
Russell street, southwest corner of Sixth 47
Russell street, south side, 179 feet west of Sixth 42
Salisbury street, west side, 598 feet south of Cove 53
Sand street, northwest corner Grit 58
Sawyer street, southwest corner of Bowditch 53
Sawyer street, southwest corner of Acushnet avenue 59
Sawyer street, southeast corner Belleville avenue 65
Sawyer street, south side, 418.8 feet east of Mitchell 64
Sawyer street, north side, 750 feet east of Belleville avenue . . . 63
School street, southwest corner of Sixth 37
Scott street, south side, 325 feet west of County 59
Second street, northwest corner of Mill. Flush 55
Second street, west side, south of Elm, 52 feet 52
Second street, west side, south of Spring 74 feet. Flush 55
Second street, northwest corner of Coffin. Flush 61
Second street, west side, at head of Morgan's lane 60
Second street, west side, north of Grinnell 61 feet. Flush 63
Second street, west side, north of Potomska 232 feet 61
Second street west side, south of Potomska, 122 feet. 63
Second street, west side, 188 feet south of Blackmer 59
Seventh street, southwest corner of Union 31
Seventh street, west side, north of Madison, 50 feet Flush 36
Shawmut avenue, southwest corner of Willis 18

Shawmut avenue, southwest corner of Parker 18
Shawmut avenue, west side, head of Locust 17
Shawmut avenue, southwest corner of Robeson 14
Shawmut avenue, west side, north of Austin, 195 feet 13
Shawmut avenue, west side, 497 feet north of Durfee 12
Shawmut avenue, southwest corner of Grand 11
Shawmut avenue, west side, 203 feet north of Grand 11
Shawmut avenue, northwest corner of Plainville road . . . . . .
Sherman street, south side, west of County 314 feet. Flush 51
Shore street, west side, 264 feet south of Cove road 61
Short street, west side, 321 feet south of Allen 34
Sisson street, northwest corner of Union 25
Sixth street, west side, north of Grinnell 194 feet 60
Smith street, southwest corner of County 28
Smith street, southwest corner of Chestnut. Double 22
Smith street, southeast corner of Spruce. Double 20
Smith street, southeast corner of Shawmut avenue. Flush 22
Smith street, south side, east of Park 5 feet 29
South street, southwest corner of Acushnet avenue 57
South street, southwest corner of Second 59
South street, southwest corner of First 59
South street, southwest corner of Water 63
South street, southwest corner of Prospect 61
Spring street, southeast corner of Acushnet avenue 51
Spring street, southeast corner of Fifth. Flush 42
Spring street, southwest corner of Seventh 27
State street, southwest corner of Sycamore 31
State street, southwest corner of Pearl. Flush 34
Stone street, west side, 208.6 feet south of Allen 38
Summer street, northwest corner of North. Flush 16
Summer street, northwest corner of Hillman. Flush 16
Summer street, southwest corner of Willis. Flush 26
Sycamore street, southwest corner of Thomas. Flush 30
Sycamore street, southwest corner of Summer. Flush 24
Sycamore street, southwest corner of Chancery 25
Tallman street, south side, west of Acushnet avenue 421.9 feet . . . 47
Tallman street, southwest corner of Belleville avenue 61
Thompson street, southeast corner of Bourne 44
Thompson street, southwest corner of Hemlock 50
Thompson street, south side, 99.6 feet east of Hemlock 52
Thompson street, south side, 302 feet west of Bonney 55
Thompson street, south side, 20 feet east of Hall 58
Thompson street, southwest corner of County 59
Tinkham street, south side, 239.2 feet east of Acushnet avenue . . . 41
Tremont street, southwest corner of Union 26

Tremont street, northwest corner of Maple 29
Trinity street, south side, 145 feet west of Cedar 19
Union street, southwest corner of Front 63
Union street, southwest corner of Water 57
Union street, southwest corner of First 56
Union street, southwest corner of Second 52
Union street, southwest corner of Acushnet avenue 48
Union street, southwest corner of Sixth 38
Union street, southwest corner of County 22
Union street, southeast corner of Emerson 28
Union street, southeast corner of Ocean 28
Union street, south side, west of James 61 feet 21
Viall street, west side, 576.1 feet south of Cove 55
Vine street, west side, north of Durfee 215 feet 6
Walden street, southwest corner of Maxfield. Flush 31
Wall street, south side, east of Acushnet avenue 165 feet. Flush . . 62
Walnut street, northwest corner of Front 61
Walnut street, southwest corner of Second. Flush 57
Walnut street, southwest corner of Fourth 48
Walnut street, southwest corner of Seventh 38
Wamsutta street, south side, west of Front 200 feet 65
Wamsutta street, south side, west of Front 372 feet 65
Wamsutta street, south side, east of Acushnet ave., 285 ft. Double . 64
Ward street, southwest corner of Bay 44
Warren street, southwest corner of Brock avenue 53
Washburn street, southeast corner of Acushnet avenue 59
Washburn street, south side, west of North Front 228 feet 59
Washington street, southwest corner of County 57
Washington street, southwest corner of Crapo 56
Washington street, south side, west of Orchard 102 feet. Flush . . 50
Washington street, southeast corner of Dartmouth. Flush 46
Water street, southwest corner of Hillman. Flush 65
Water street, southwest corner of North 64
Water street, west side, south of North 258 feet. Flush 63
Water street, northwest corner of Middle. Double 62
Water street, southwest corner of Elm. Flush 60
Water street, west side, north of Centre 46 feet. Flush 50
Water street, west side, north of School 22 feet. Flush 60
Water street, northwest corner of Walnut. Flush 61
Water street, northwest corner of City wharf. Flush 62
Water street, northwest corner of Coffin. Flush 64
Water street, west side, head of Pine 67
Water street, west side, head of Leonard 62
Water street, southwest corner of Howland 60
Water street, northwest corner of Grinnell 60

Water street, northwest corner of Potomska 63
Water street, west side, 266 feet south of Potomska 63
Water street, northwest corner of Rivet 63
Water street, southwest corner of Blackmer 63
Water street, northwest corner of Delano 62
Water street, west side, head of Gifford 62
Weld street, southeast corner of Mt. Pleasant 7
Weld street, southwest corner of State 43
William street, southwest corner of Bethel 51
William street, southwest corner of Second 48
William street, southeast corner of Acushnet avenue 47
William street, southwest corner of Purchase 43
William street, southwest corner of Sixth 38
William street, southwest corner of Eighth 37
Willis street, southwest corner of Purchase 50
Willis street, southeast corner of Pleasant 41
Willis street, southwest corner of State 28
Willis street, southwest corner of County 26
Willis street, southwest corner of Cottage 19
Willis street, south side, west of Cedar 200 feet. Flush 18
Willow street, southwest corner of Cottage 15
Willow street, southeast corner of Shawmut avenue 13
Wing street, southwest corner of Fourth. Flush 57
Wing street, southwest corner of Sixth 57
Winsor street, south side, west of County 455½ feet 58
Winsor street, south side, 77½ feet east of Crapo 60

Number of flush hydrants 134
Number of post hydrants 559

Total number of hydrants 693

Summary of Statistics.

REPORT OF 1897.

IN ACCORDANCE WITH SUGGESTIONS ADOPTED BY THE

New England Water Works Association.

NEW BEDFORD WATER WORKS, BRISTOL COUNTY, MASS.

Population by census of 1895,

55,251

Date of construction,

1866 to 1869, inclusive.

By whom owned,

The property of the City of New Bedford.

Source of supply,

From a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet river, seven miles north of the centre of the city.

Mode of supply,

By gravitation into the city, thence pumped into a distributing reservoir on an elevated site.

PUMPING.

1. Builders of pumping machinery,

   a. McAlpine engine, built by Quintard Iron Works.

   b. Worthington engine, built by Henry R. Worthington.

   c. High duty Worthington engine, built by Henry R. Worthington.

2. Description of coal,

First contract:

a. Not applicable.
b. Bituminous.
c. Not applicable.
d. Pocahontas.
e. Price per gross ton, delivered, $3.55.
f. Percentage of ash, 7.
g. Wood, price per cord, $4.00.

Second contract:

a. Not applicable.
b. Bituminous.
c. Not applicable.
d. Pocahontas.
e. Price per gross ton, delivered, $3.00
f. Percentage of ash, 7.
g. Wood, price per cord, $4.00.

	McAlpine.	Worthington.	High Duty Worthington.
3. Coal consumed for the year, in pounds,	1,658,800	213,250	1,019,000
4. $\frac{\text{Lbs. of wood consume pounds,}}{3}$ = coal,	217	103	117
5. Total fuel consumed for the year (3) + (4),	1,659,017	213,353	1,019,117
6. Total pumpage for the year in gallons,	1,115,053,106	104,697,124	847,080,242
7. Av. static head against which pump works,	125.2	131.6	124.7
8. Av. dynamic head against which pump works,	134.50	133.23	127.04
9. *a.* Number of gallons pumped per pound of coal (3),	672	491	831

b. Number of gallons raised 100 feet per pound of coal for total coal (3),	904	654	1,056
10. Duty in foot pounds per 100 pounds of coal, using following formula, making no deductions for starting, banking fires, heating building, or anything else.			
$\text{Duty} = \frac{\text{Gallons pumped (6) x 8.34 (lbs) x 100 x dynamic head (8).}}{\text{Total fuel consumed (5).}}$	75,393,352	54,526,055	88,065,751

COST OF PUMPING, FIGURED ON PUMPING STATION EXPENSES, VIZ.: $12,028.11.

11. Per million gallons raised against average dynamic head (8) into reservoir,	$5.82
12. Per million gallons raised one foot high (dynamic),	$4\frac{43}{100}$ cents.

COST OF PUMPING FIGURED ON TOTAL MAINTENANCE (see Financial CC.), VIZ.: $95,652.73.

13. Per million gallons raised against average dynamic head (8) into reservoir,	$46.28
14. Per million gallons raised one foot high (dynamic),	$35\frac{23}{100}$ cents.

FINANCIAL.

Maintenance.

Receipts.		Expenditures.	
From Consumers:			
A. Water rates, domestic,	$92,291.78	AA. Management and repairs, less interest and sinking funds,	$27,652.73
B. Water rates, manufacturing,	7,376.33	BB. Interest on bonds,	68,000.00
C. Net water receipts,	$99,668.11	CC. Total maintenance,	$95,652.73
D. Miscellaneous, sales, etc.,	98.90	Bonds paid,	20,000.00
E. Total,	$99,767.01	Sinking funds,	000.00
From Public Funds:		Sinking funds, further water supply,	24,000.00
J. General appropriations, water,	12,000.00	DD. Balance to construction,	30,114.28
J. General appropriations, debt,	58,000.00		
K. Gross receipts,	$169,767.01	EE. Total,	$169,767.01

Construction.

Receipts.			Expenditures.		
R.	Balance from previous year,	$37,822.17	FF. Extensions, mains,		$27,306.56
	Balance from maintenance,	30,114.28	GG. Extensions, services,		
S.	Bonds issued,	00.00	*a.* Services,	$7,668.34	
U.	Other sources, services, private lines, meters, etc.,	10,453.64	*b.* Mill piping, fountains and meters,	3,289.48	10,957.82
			HH. Special extensions.		00.00
			II. Total construction for year,		$38,264.38
			JJ. Balance,		40,125.71
V.	Total,	$78,390.09	KK. Total,		$78,390.09

W.	Net cost of works to this date,	$1,740,650.44
X.	Bonded debt at this date,	580,000.00
Y.	Sinking funds,	13,662.41
Z.	Average rate of interest,	$5\frac{51}{100}$ per cent.

CONSUMPTION.

1. Estimated total population at date,
   60,000
2. Estimated population on lines of pipe at date,
   51,000
3. Estimated population supplied at date,
   50,000
4. Total number gallons consumed for year,
   2,071,702,478
5. Passed through domestic meters,
   61,828,072 gallons, or 3 per cent.
6. Passed through manufacturing meters,
   280,223,040 gallons, or 13½ per cent.
7. Average daily consumption in gallons,
   5,675,897
8. Gallons per day to each inhabitant (1),
   95
9. Gallons per day for each customer (3),
   113
10. Gallons per day to each tap (distribution 22)
    641

DISTRIBUTION.

MAINS.

1. Kind of pipe used,
   Wrought iron cement-lined and cast iron.
2. Size,
   From 4 to 36 inches.
3. Extended,
   27,566 feet.
4. Discontinued,
   8,844 feet.
5. Total now in use,
   87 $\frac{5227}{10560}$ miles.
6. Cost of repairs per mile.
   $9.17

7. Number of leaks for the year,
7

8. Small distribution pipe, less than 4 inches, total length,
6,420 feet.

9. *a*. Fire hydrants added,
23

b. Watering cart connections added,
3

10. *a*. Number of fire hydrants now in use,
693

b. Number of watering cart hydrants now in use,
45

11. Stop gates added,
46

12. Number now in use,
974

13. Small stop gates, less than 4 inches, total,
72

14. Number of blow-off gates,
91

15. Range of pressure at centre for day and night,
28 to 39 lbs.

SERVICES.

16. Kind of pipe used,
Lead and cast iron.

17. Size,
From $\frac{1}{2}$ to 10 inches.

18. Extended,
18,803 feet.

19. Discontinued,
552 feet.

20. Total now in use,
$56\frac{52}{100}$ miles.

21. Service taps added,
413

22. Number now in use,
8,860

23. Average length of service laid during past year,
44 feet.

24. Average cost of service,
a. Gross, $18.09
b. Net, 7.55

25. Meters added,
255

26. Number now in use,
a. Domestic, 556
b. Manufacturing, 62
c. Public, 3

27. Motors and elevators added,
29

28. Number now in use,
110

In Board of Aldermen,

Jan. 13, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

1 mo., 13, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898—CITY DOCUMENT No. 4.

FORTY-SIXTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

FREE PUBLIC LIBRARY

OF THE

CITY OF NEW BEDFORD,

MASS.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

Officers of the Free Public Library

FOR THE YEAR 1898.

TRUSTEES.

Ex-officio. Terms expire January, 1899.

CHARLES S. ASHLEY, Mayor of the City.
STEPHEN A. BROWNELL, President of the Common Council.
CHARLES H. LAWTON, Chairman of the Committee of the City Council on Public Instruction.

Elected by the City Council.

ALEXANDER McL. GOODSPEED,	Term expires April, 1898.
LEMUEL LeB. HOLMES,	Term expires April, 1898.
WALTER S. ALLEN,	Term expires April, 1899.
WILLIAM L. SAYER,	Term expires April, 1899.
ISAAC B. TOMPKINS, JR.,	Term expires April, 1900.
MATTHEW C. JULIEN,	Term expires April, 1900.

PRESIDENT OF THE BOARD.

THE MAYOR.

CLERK.

WILLIAM L. SAYER.

COMMITTEES.

On the Library—Messrs. JULIEN, HOLMES, and GOODSPEED.
On Finance—Messrs. TOMPKINS, GOODSPEED, and ALLEN.
On the Building—Messrs. HOLMES, ALLEN, and LAWTON.
On Branch Reading Rooms—Messrs. JULIEN and LAWTON.

LIBRARIAN.

ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN.

B. W. PENNOCK.

CATALOGUER.

ANNA M. DeWOLF.

ASSISTANTS.

JOSEPHINE A. MERRICK, SUSIE H. GAMMONS,
ETTA F. LAWRENCE, FLORENCE E. FARWELL.

DELIVERY STATION ATTENDANTS.

North Station—B. H. HUMPRIES,
South Staton—WILLIAM F. BANNON.

PAGES.

CLEMENT L. YAEGER, GEORGE LEES,
HERBERT MACY, ARTHUR LEE,
ROBERT WEAVER.

JANITOR.

YORICK W. AMES.

REPORT.

To the City Council of the City of New Bedford:

GENTLEMEN :—We have the honor to present the forty-sixth annual report of the Board of Trustees of the Free Public Library.

The year 1897 witnessed a gratifying increase in the use by the inhabitants of the city of the Free Public Library. The increase in the number of books taken from the library by its patrons, over that of last year, has been 15,512 volumes, which is 13 3-10 per cent. more than that of 1896. The net additions to the library have been about the same as that of 1896, although the losses in volumes from wear and tear has been much larger than usual, owing to the discarding of books found to be in a condition not suitable for use.

There has been an increase in the expenses of binding, caused by the rebinding of old books and of periodicals, many of which were purchased to fill out sets referred to in Poole's Index.

The last year witnessed a new departure in the matter of the establishment of branch reading rooms in the north and south ends of the city. These reading rooms went into operation in September, 1897, and the work of their establishment devolved wholly upon Messrs. Julien and Hunt of the Board of Trustees, who devoted much time and thought to the matter. These reading rooms are furnished with newspapers published in this city and in

Fall River and Boston, and with magazines and books of reference. At the start they were open from 3 to 9 o'clock p. m. The average daily attendance at the north reading room to January 1st, was 114, and of the south reading room 50. It is believed that this attendance will steadily increase in the future, and that more facilities can be properly supplied. The trustees have also adopted a system of gathering and delivering books of the library at these reading rooms. Orders for books desired from the library, left at these reading rooms, are filled daily, and residents of the north and south ends can thus obtain books from the library without going to the library itself. The expense of the maintenance of each of these reading rooms, for attendants, has been about $25 per month, and for expressage of books from the main library to the branch reading rooms $25 per month. The total expenditure to December 15, for these branch reading rooms was $513.

The cataloguing of the old books has now been completed, as far as it is possible in the present library quarters, the shelf-room of which is exhausted, and no further cataloguing of the many thousands of the old books remaining can be had until the city provides new quarters for the library. It has become a serious problem with the library management how to deal with the new books as they are received, requiring as they do an addition of five hundred feet of shelf-room yearly.

The trustees have long felt the necessity of providing facilities for the study of art. Other cities have adopted this feature in connection with their public libraries with great success, notably the city of Worcester. This subject was by the trustees submitted to a committee consisting of Mr. Alex. McL. Goodspeed, chairman, and Messrs. Julien and Sayer, who devoted much time and thought to it, the chairman visiting Boston, Worcester, and other

places, and making finally an elaborate report to the trustees, in which, after alluding to the importance of this subject as an educational work, and the interest in such matters peculiar to our city, and the fact that the library already has many fine works of art, they recommend the supplementing of the works now possessed by the city with photographic views of architecture and of paintings of the old masters. By this means the study of these two branches may be profitably pursued by those interested therein. A very valuable and useful list of such photographs accompanies their report. It is the intention of the trustees, during the coming year, to add this feature to the facilities of the library.

Reference to the reports which the trustees have made to the City Council for many years will show that the trustees have, in a great variety of forms of expression, set forth the imperative needs of the library for new and greatly enlarged quarters, and the claims of the library to have them supplied by the City Council.

It is impossible to add anything further to what has already been said by the trustees, and yet in some way a new library building must be obtained for the city. The trustees are not unmindful of the embarrassment of the City Council in dealing with matters requiring large expenditures, in view of the many calls now made from the various departments, but the wants of the library are now such as to make it impossible, notwithstanding the financial condition of the city, to ignore longer the claims of this department. We have here one of the most valuable libraries in the state. Thousands and thousands of dollars have been donated to it by public spirited citizens, whose donations the city could not accept without incurring an obligation to provide for their proper enjoyment. The dangers from fire, the inconvenience to the patrons of the library, the impossibility of using the library for study

and consultation, the lack of shelving room, the inaccessibility of large stores of books, the dilapidated appearance of the library, apparent to visiting strangers — all these matters have been stated again and again to the City Council in order to induce it to supply a new building, but without avail, and it is the duty of the trustees to continue without ceasing to bring this subject to the attention of the City Council. The trustees now respectfully urge the City Council to take up the matter this present year. In view of the fact that valuable library sites are rapidly disappearing or increasing in value, will not the Council at least procure a site, and so make a beginning of removing this reproach to our city?

Respectfully submitted,

CHARLES S. ASHLEY,
STEPHEN A. BROWNELL,
CHARLES H. LAWTON,
Ex-officio,

ALEXANDER McL. GOODSPEED,
LEMUEL LeB. HOLMES,
WALTER S. ALLEN,
WILLIAM L. SAYER,
ISAAC B. TOMPKINS, Jr.,
MATTHEW C. JULIEN,
Trustees.

APPENDIX.

GENERAL STATISTICS FOR 1897.

Volumes added to the library by purchase,	2,713
Volumes added by binding periodicals, etc.,	623
Volumes added by gift,	422
Volumes worn out and lost,	480
Net additions,	3,278
Volumes rebound and repaired,	1,308
Pamphlets donated,	878
Periodicals in the reading room,	156
Newspapers in the reading room,	22
New cards issued,	1,329
Books drawn for home use,	132,137
Fiction and juveniles,	76.6%
Increase of circulation over 1896,	15,512

Attendance at the library on Sundays during 1897: The largest attendance was 123, March 7; the smallest was 17, Sept. 5; total attendance for 43 Sundays, 2,618; average attendance, 60; an increase of 6 over the average for 1896; the library was closed during July and August.

January	3,	90		June	6,	56	
"	10,	42		"	13,	22	
"	17,	82		"	20,	31	
"	24,	92		"	27,	27	136
"	31,	66	372	September	5,	17	
February	7,	87		"	12,	39	
"	14,	88		"	19,	30	
"	21,	85		"	26,	41	127
"	28,	97	357	October	3,	56	
March	7,	123		"	10,	41	
"	14,	55		"	17,	58	
"	21,	70		"	24,	55	
"	28,	80	328	"	31,	71	281
April	4,	66		November	7,	78	
"	11,	56		"	14,	80	
"	18,	31		"	21,	62	
"	25,	49	202	"	28,	75	295
May,	2,	46		December	5,	58	
"	9,	46		"	12,	60	
"	16,	59		"	19,	108	
"	23,	32		"	26,	51	307
"	30,	30	213				

FREE PUBLIC LIBRARY ACCOUNT.

1897.		
City appropriations,		$10,500.00
Expenditures:		
Salaries and wages,	$8,903.40	
Printing, binding, and supplies,	1,099.65	
Balance,	496.95	$10,500.00
Paid as follows:		
Salaries and wages:		
R. C. Ingraham,	$2,062.50	
B. W. Pennock,	1,512.50	
L. N. Nichols,	1,060.00	
F. E. Farwell,	478.86	
S. H. Gammons,	495.00	
J. A. Merrick,	495.00	
E. F. Lawrence,	478.54	
A. M. D'Wolf,	516.87	
E. J. Merrick,	76.50	
E. L. Jones,	65.00	
M. E. Brown,	24.00	
Y. W. Ames,	672.00	
C. L. Yaeger,	302.88	
G. C. Lees,	150.50	
H. E. Macy,	155.33	
A. C. Lee,	87.50	
C. Bly,	44.00	
C. Brownell,	35.90	
F. C. Jason,	33.02	
C. Hatch,	21.00	
T. Wilson,	15.75	
E. Norris,	50.75	
D. J. McAuliffe,	10.00	
P. H. Dollard,	60.00	$8,903.40
Binding, printing and supplies:		
Rotch & Potter,	$187.50	
S. H. Cook & Co.,	187.50	
E. Anthony & Sons,	7.50	
W. H. Collins & Co.,	124.00	
H. S. Hutchinson & Co.,	15.94	
Library Bureau,	130.16	
H. H. Sampson,	445.05	
Labor,	2.00	$1,099.65

SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY FUND.

Balance from old account,	$112.65	
Income,	3,000.00	$3,112.65
Expenditures:		
Books,	$2,184.32	
Periodicals,	17.20	
Balance,	911.13	$3,112.65

The detailed statement of the expenditures from the income of this fund is as follows:

H. S. Hutchinson & Co.,	$728.01
R. W. Taber,	811.54
A. S. Clark,	44.81
S. E. Miller,	6.50
Egypt Exploration Fund,	10.00
G. E. Stechert,	110.43
N. J. Bartlett & Co.,	124.14
Bancroft, Whitney Co.,	20.00
T. H. Castor & Co.,	60.83
Little, Brown & Co.,	44.77
W. S. Houghton,	29.65
Cleveland Public Library,	5.00
Samuel Kimball,	3.00
Zenas M. Briggs,	2.50
Henry H. Sampson,	10.25
Almy & Milne,	3.00
American Friend,	1.75
Damrell & Upham,	6.85
R. R. Bowker,	3.68
D. E. Pennepacker,	3.00
Edward L. Bannon,	2.25
A. M. Elliott,	1.50
Massachusetts Historical Society,	6.00
Library Bureau,	3.56
Sidney S. Rider,	1.30
Writer Pub. Co.,	6.00
Joseph Thornton & Son,	9.52
American Antiquarian Society,	3.50
Academy of Natural Science,	5.00
Haight & Co.,	2.50
B. S. Bachelor,	6.00
George Ringrose,	1.00
F. S. Blanchard,	1.50
F. C. Clarke,	1.50

Sampson, Murdock & Co.,	13.00	
Jordan, Marsh & Co.,	12.58	
Dante Society,	5.00	
C. Scribner & Sons,	6.00	
W. A. Greenough & Co.,	2.50	
Boston Book Co.,	61.50	
H. R. Johnson,	1.00	
Rand, McNally & Co.,	10.50	
Abraham Taber,	2.50	
Public Opinion Co.,	1.10	
Bureau of American Republics,	5.00	$2,201.52

GEORGE HOWLAND, JR., FUND.

Unexpended balance of income,	$227.13	
Income,	96.00	$323.13
Expenditures:		
S. G. Gidley,	$10.00	
Little, Brown & Co.,	13.50	
H. S. Hutchinson & Co.,	8.00	
George F. King,	30.40	
D. H. Hurd & Co.,	30.00	
Harper's Weekly Club,	40.00	
Balance,	191.23	$323.13

CHARLES W. MORGAN FUND.

Unexpended balance of income,	$31.61	
Income,	60.00	$91.61
Expenditures:		
N. J. Bartlett & Co.,	$6.00	
Balance,	85.61	$91.61

JAMES B. CONGDON FUND.

Unexpended balance of income,	$170.09	
Income,	$30.00	$200.09
Expenditures:		
G. E. Littlefield,	$154.68	
E. T. Bannon,	1.50	
Balance,	43.91	$200.09

OLIVER CROCKER FUND.

Unexpended balance of income,	$1.73	
Income,	60.00	$61.73
Expenditures:		
N. J. Bartlett,	$8.95	
H. S. Hutchinson,	14.64	
R. W. Taber,	23.36	
W. H. Winslow,	1.13	
Balance,	13.65	$61.73

GEORGE O. CROCKER FUND.

Unexpended balance of income,	$92.92	
Income,	400.00	$492.92
Expenditures:		
N. J. Bartlett & Co.,	$23.25	
H. S. Hutchinson & Co.,	220.55	
Johns Hopkins Press,	1.65	
Little, Brown & Co.,	1.50	
S. E. Miller,	2.00	
S. S. Rider,	3.50	
R. W. Taber,	222.79	
Bancroft, Whitney & Co.,	4.00	
Balance,	13.58	$492.92

CHARLES L. WOOD FUND.

Unexpended balance of income,	$2.15	
Income,	80.00	$82.15
Expenditures,		
G. E. Littlefield,	$14.10	
Balance,	68.05	$82.15

DOG FUND.

Balance,	$197.22	
Amount from County Treasurer,	1,328.78	$1,526.00
Expenditures:		
Mercury Publishing Co.,	$70.51	
E. Anthony & Sons,	273.62	
H. S. Hutchinson & Co.,	252.74	
Library Bureau,	88.82	
Briggs & Lawrence,	39.54	
W. H. Collins & Co.,	503.84	
Greene & Wood,	6.48	
F. S. Brightman,	10.23	
C. D. Waldron,	1.00	
G. L. Briggs,	40.35	
F. A. Bradley,	8.80	
Coffin Bros.,	10.00	
G. R. Phillips,	3.00	
A. P. Pope,	11.74	
Almy & Milne,	3.00	
P. B. Sanford,	5.00	
L'Echo du Soir Pub. Co.,	21.00	
W. G. Dennison,	3.00	
Journal of Commerce Co.,	10.00	
Balance,	163.33	$1,526.00

READING ROOM FUND.

Appropriation,		$2,500.00
Expenditures:		
A. F. Drummond,	$7.00	
E. Anthony & Sons,	7.65	
G. L. Briggs,	4.08	
Briggs & Lawrence,	61.00	
W. F. Bannon,	75.00	
Hathaway & Co.,	2.20	
H. S. Hutchinson & Co.,	20.00	
B. Humphries,	75.00	
L'Echo du Soir Publishing Co.,	2.70	
Library Bureau,	6.00	
Mercury Publishing Co.,	11.00	
G. D. Richards,	1.70	
R. W. Taber,	8.10	
C. F. Wing,	60.50	
Taylor & Sawtelle,	29.60	
B. A. Andress,	78.00	
J. B. Baylies,	15.00	
F. A. Bradley,	16.70	
W. H. Collins & Co.,	11.00	
M. L. Sylvia,	1.90	
Balance,	2,005.87	$2,500.00

GIFTS, 1897.

	Volumes.	Pamphlets.
A. B. B. Benesch Publishing Co.,		1
Akin, Francis T. & Co.,		1
American Academy of the Dramatic Arts,		1
American Antiquarian Society,		1
American Forestry Association,		6
American Statistical Association,		1
American Unitarian Association,		1
Ames Yorick W.,		1
Amherst College,		1
Andover Theological Seminary,		1
Arena Publishing Company,		1
Balch, Edwin Swift,	1	
Baltimore Consolidated Coal Co.,		1
Bancroft Whitney Co.,	1	
Bangs & Co.,		2
Barrows, S. J.,		1
Baudoin, L. N.	2	
Beer, William,	1	
Blanchard, George R.		1
Bocca Fratelli,		1
Bowdoin College, Brunswick, Me.,		3
Brandon, Edward J., Cambridge, Mass.,	1	
Brock, William M.,	1	
Brown, Frederick J.,		1
Brown University,		2
Bunker Hill Monument Association,		1
Bureau of American Republics,	2	
Butler Hospital for the Insane,		1
Church, George W.,		1
City of New Bedford,	44	8
Clarke Institute for Deaf Mutes,		1
Colby University, Waterville, Me.,		1
Columbia University of the City of New York,		3

Commissioners of the State Reservation at Niagara,		1
Commonwealth of Massachusetts,	62	4
Congregationlist, The,		1
Cowpen's Centennial Commemoration,	1	
Cutter, Abram E.,		1
Douglass, D. De Forest,		1
Drake, A. B.,	1	
Dugan, Mrs. David,	1	
Edmands, John,		1
Electro Tint Engraving Company, Phil.,		1
Fairmount Park Art Association, Phil.,		3
Family of the late Chas. Davis Bradlee, D. D., Ph. D.,	1	
Fernow, B. E.,		1
Field Columbian Museum,		9
Geddes, Thomas E.,		1
Gidley, E. G.,	1	
Gifford Charles H.,	1	
Government of the United States:		
Agricultural Department,	5	128
Bureau of Education,	5	6
Interior Department,	1	24
Interstate Commerce Commission,	1	1
Labor Bureau,	4	6
Miscellaneous,	18	2
Patent Office,	5	4
Public Documents. (In sheep),	98	
Treasury Department,	2	
War Department,	3	5
Grant, John, Edinburgh,	1	
Green, Andrew H.,	1	1
Green, Dr. Samuel A.,	1	35
Grieve, Robert,	5	2
Grinnell, Arthur,		2
Gunton Institute,		5
Harper, Francis P.,		1
Harvard University,		1
Hathaway, Nathaniel,	34	27
Hayes, John S.,		1
Hoar, Geo. F.		1
Horace Mann School, Boston,		1
Howland, Morris,	1	3
Hubbell, Mark S., Buffalo,	1	
Hucke, Julius,		1
Humphrey, Geo. P.,		2
Hutchison, H. S.,	3	

Illinois Anti-Vivisection Society,		2
Indian Rights Association,		11
Ingram, John K.,		1
Ingraham, Mary C.,		2
Irish National Federation of America,		1
James, Mrs. Lucy M.,	1	
Johns Hopkins University, Baltimore,		6
Johnson, Rev. Alfred Evan,	64	
Journal of Commerce Publishing Company, Providence, R. I.,		1
Judson, Abby A.,		2
Keidel, George,		1
Lee, Leslie A.,		2
Leffingwell, Albert, M. D., Cambridge, Mass.,		1
Lexington Historical Society,		1
Libraries:		
Baltimore. Enoch Pratt Free Library,		1
Boston Public Library,	1	14
Brookline Public Library,		6
Brooklyn Library,		4
Buffalo Library,		1
Burlington, Vt. Fletcher Free Library,		1
Cambridge, Mass. Free Public Library,		10
Harvard University Library,		1
Cedar Rapids Masonic Library,		1
Chicago Public Library,		1
Cincinnati Public Library,		6
Clinton, Mass. Bigelow Free Public Library,		1
Danvers, Mass. Public Library,		1
Denver Public Library,		1
Des Moines, Iowa, Library,		1
Detroit Public Library,		1
Fall River Public Library,		1
Fitchburg Library,		5
Germantown. Friends' Library,		1
Hartford. Case Memorial Library,		1
Public Library,		4
Hopedale Public Library,		1
Jersey City Public Library,		7
Lawrence Public Library,		6
Los Angeles Public Library,		1
Lowell City Library,		6
Lynn Public Library,		1
Malden Public Library,		2

Minneapolis Public Library,		6
Monmouth, Ill. Warren Co. Library,		1
Montana. Helena Public Library,		3
Newark, N. J. Free Public Library,		1
Newport. Redwood Library,		1
Newton Free Library,		1
New Orleans. Fisk Free and Public Library,	1	
New York. Aguilar Free Library,		1
General Soc. of Mechanics and Tradesmen,		8
Mercantile Library Association,		2
Public Library,		12
Northampton. Forbes Library,		1
Paterson. N. J. Public Library,		8
Peoria Public Library,		1
Philadelphia. Apprentices Library Company,		3
Library Company,		1
Mercantile Library Company,		5
Pittsburg, Pa. Carnegie Library,		4
Portland Public Library,		1
Providence Athenæum,		10
Public Library,		13
St. Louis. Mercantile Library Association,		2
Salem Public Library,		8
San Francisco Public Library,		13
Seattle Library Commission,		1
Somerville Public Library,		12
Springfield. City Library Association,		13
Syracuse. Central Library,		1
Taunton Public Library,		2
Waltham Public Library,		10
Watertown Library,		1
Worcester Free Public Library,		13
Lilly, Eli & Co.,		1
Lippitt Charles W.,		2
Lund, Joseph,		1
McCormick Harvesting Co.,	1	
MacKellar, Smith & Jordon, Phil.,	1	
Macmillan & Co.,		1
Maine Association,		2
Maine Genealogical Society,		1
Mass. Civil Service Com.,		1
Massachusetts Institute of Technology,		1
Menezes, J. de,	2	2
Merrick, Josephine A.,	1	
Milne, J. M., *M. C.*,		1

Morton, Bliss & Co.,		2
Mount Holyoke College,		1
Munn & Co., N. Y.,	1	
Munson, Rev. Myron A.		1
National Civil Service Reform League,		3
National Municipal League, Phil.,		1
New Bedford Choral Association,		2
New Bedford Semi-Centennial Bureau of Publicity and Promotion,	2	
New England Water Works Association	1	
New Jersey Historical Society,	1	
New York Farmers,		1
Nichols, L. Nelson,	1	10
North German Lloyd Steamship Co.,		1
Parsons, J. R., and others,	1	
Peabody Institute, Baltimore,		1
Peabody Institute, Danvers,		1
Pennock, Benj. W.,		1
Pennsylvania College of Dental Surgery,		1
Perkins Institute for the Blind,		1
Poynter, Rev. Richard,		2
Pratt, F. S. and C. H.,	1	
Present Problems Publishing Co., N. Y.,		1
Princeton University,		1
Providence Record Commissioners,	3	
Pullman Company,		1
Republic of Hawaii		1
Riverside Paper Co., Holyoke,		1
Rodman, Edmund	2	
Royal Society of Canada,	1	
Rhode Island School of Design,		2
Sadler, Ralph	1	
St. Luke's Hospital, New Bedford,		1
Sayer, William L.,		4
Searight, James A.,	1	
Sedgwick, Henry D.,	1	
Sellers, Edwin J.,		1
Shaker Soc, East Canterbury, N. H.,		2
Sherman, Charles R.,	5	
Simpkins, John, *M. C.*,	1	1
Smiley, Albert K.,		1
Smithsonian Institution,	13	3
Sound Currency Com. of the Reform Club,		17
Stokes, Anson Phelps	1	
Taber, Miss Gertrude	1	
Taber, Mrs. Alice S.,	7	

Taber, Silas S.,	1	
Tabor Academy,		1
Thompson, Mrs. Louisa R.,	68	141
Thurston, Lorrin A.,		1
Trustees of Public Reservations		1
Trinitarian Church, New Bedford,		1
Tucker, Dr. Edward		38
Union for Christian Work, Brooklyn, N. Y.,		2
United States Infantry Society,		1
University Club, N. Y.,		1
University of California.		3
University of Chicago,	1	
University of Nebraska	1	2
University of Pennsylvania,		1
University of the State of New York,		2
University of Vermont,		1
Vientine, F. & M., Venice, Italy,		1
Volta Bureau, Washington,	1	1
Webb, William H.,	2	
Westervelt, A. B. and W. T., N. Y.,		1
Whimper, Edward	1	
William Logan Post No. 1.,		1
Winston, William H., *M. D.*,	1	
Winthrop, Robert C., Jr.,	1	
Woodbury, John P.,		1
Woodiwiss, George J. P., *Major of Bath, Eng.*,	1	
Worth, Benjamin	1	
Yale University,	1	

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University of Tennessee. Tennessee University Magazine, 1897 Knoxville, 1897. 8°.

In Board of Aldermen,

April 14, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

4 mo., 14, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898—CITY DOCUMENT No. 5.

ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT

OF THE CITY OF NEW BEDFORD,

FOR THE YEAR ENDING DECEMBER 31, 1897.

FREDERICK MACY, Chief Engineer.

NEW BEDFORD:
MERCURY PUBLISHING CO., CITY PRINTERS.
1898.

COMMITTEE OF THE CITY COUNCIL

ON

FIRE DEPARTMENT,

1897.

Aldermen,

DR. M. V. SYLVIA,

Residence, 34 Wing street.

GEORGE A. HOUGH,

Residence, 85 Campbell street.

Councilmen,

FREDERICK C. DAWE,

Residence, 159 Durfee street.

WILLIAM J. BULLOCK,

Residence, 105 Bonney street.

ROBERT L. BAYLIES,

Residence, 35 Bedford street.

ENGINEER'S DEPARTMENT.

Chief Engineer,
FREDERICK MACY,
Residence, 234 Acushnet avenue.

First Assistant Engineer,
LORING T. PARLOW,
Residence, 39 High street.

Second Assistant Engineer,
EDWARD F. DAHILL,
Residence, 764 County street,

Third Assistant Engineer,
JAMES J. DONAGHY,
Residence, 83 Washington street.

Fourth Assistant Engineer,
WILLIAM A. GIBBS,
Residence, 181 Fourth street.

Clerk of Board of Engineers,
FREDERICK B. MACY,
Residence, 68 Willis street.

Master Mechanic,
DANIEL D. BRIGGS,
Residence, 43 Bedford street.

Assistant Master Mechanic,
GEORGE H. PARKER,
Residence, 40 Parker street.

Department Engineer,
HENRY J. MARSHALL,
Residence, 261 Fourth street.

Spare Engineer,
JOHN CROWLEY,
Residence, 499 South First street.

Department Drivers,
CHARLES A. HASKINS,
Residence, 256 Kempton street.

FRANK A. LEWIS,
Residence, 208 Kempton street.

Department Lineman,
WILLIAM CURTIS,
Residence, 88 South Sixth street.

Permanent Man,
JOHN W. DONAGHY,
Residence, No. 6 engine-house.

REPORT.

HEADQUARTERS FIRE DEPARTMENT,
CITY HALL, NEW BEDFORD,
December 31, 1897.

GENTLEMEN:—In compliance with the requirements of the city ordinance governing the Fire Department of the city, I herewith submit to you my twenty-first annual report of the condition and work performed by this department for the year 1897, together with a list of members, with their rank, number of badge, age, residence, and occupation; location of hydrants and fire alarm boxes; a statement of receipts and expenses; fires and alarms; losses and insurance, as near as could be ascertained; and such suggestions as I think will be necessary for the good of the department.

The department is in very good condition, and has met all the requirements of the year in a very satisfactory manner.

The most serious fire we have had to contend with occurred on the morning of February 27th, when one of the boilers of the Acushnet mill exploded and killed Manuel Medoiros and Antone Aspia, employees of the mill, and it seemed almost a miracle that of the many hundred people employed on the premises that they all escaped but two.

The explosion carried the fire from under the boilers all over the premises, setting fire to the harness and cloth

rooms, as well as the No. 1 and 2 mills, causing a very serious fire, but owing to the good work of this department, with the very able assistance rendered by the mill departments of the Acushnet and Hathaway mills with their powerful pumps, we were able to control it and prevent what seemed at one time would be a loss of millions of dollars.

At this fire the Veteran Firemen were called into service, and rendered valuable assistance in overhauling the ruins in the search for the dead.

I regret to have to report the death of one of the oldest members of the department, Eli W. Reed, a member of Engine No. 9, who died on December 2d, after a long sickness.

The only accident I have to report occurred in responding to an alarm on August 27th, when Edward F. Tripp, a member of Engine 1, was thrown from the hose wagon and was off duty forty-two days.

FORCE OF THE DEPARTMENT.

The force of the department consists of two hundred and twenty-two men, divided as follows: Forty-four permanently employed, and one hundred and seventy-eight call men.

During the year eight men were transferred from the call to the permanent force.

APPARATUS.

The apparatus consists of eight steam fire engines, all in first class order, one hand engine at the Head of the River, two two-wheeled and one four-wheeled hose reels, seven hose wagons, one combination chemical, three Hayes Aerial ladder trucks in commission, (one Ryan truck in reserve,) nine exercise and coal wagons, and one telegraph wagon.

In my last annual report I called the attention of the government to the petitions of citizens for more fire protection for the south end and west side of the city, and as nothing has been done, I will renew my request to the incoming government, that they look into the matter and give the petitioners such consideration as they deem best. With the completion of the new water works and the increased pressure, the additional protection demanded can be met by hose wagons and chemicals at far less expense than by our present methods.

HOUSES.

There are eight brick and one frame engine houses all in very good order. The only recommendation I have to make is that Snow stalls be put in at the stables of engine one, five, eight and ladder two. We have put in three the past year, and with the four above mentioned all of them will be supplied. The most important work of the year was the large addition to the number four engine house and repair shop. It has long been needed and is much appreciated.

HORSES.

There are forty-five horses belonging to the department, most of them in good condition, but as usual it will be necessary to replace some of them through the coming year. Seven were purchased the past year.

HARNESSES.

There are twenty double and ten single harnesses all in good condition.

HOSE.

There are seventeen thousand five hundred feet of two and one-half inch cotton, rubber lined hose in the department, most of which is in good condition, but as some of it has been in use a long time it may be necessary to purchase some the coming year.

WATER SUPPLY.

The number of hydrants January 1st, 1897, was six hundred and seventy (670). Added during the year, twenty-three (23), making a total of six hundred and ninety-three (693).

We have also twenty-eight reservoirs in good condition, to be used in case of necessity.

FIRE ALARM.

This branch of the department has worked as well as could be expected under the circumstances. In my former reports I have reported the danger of continuing in use the old boxes put in when our fire alarm system was established twenty-six years ago, and although the boxes are apparently as good as when put in, they are liable to give us trouble when two are pulled at the same time, which they did on one occasion this year, when on the evening of July 9th for a fire in Kirby's paint mill on Wall street. Boxes 9 and 14 were pulled at the same time causing much confusion but fortunately Engine number one was notified in time to go to the mill and extinguished the fire before the rest of the department found where it was.

I would recommend replacing all of the old boxes with the latest improved non-interfering box. We have changed four of them the past year and have twenty-two

of the old ones left. There has been only one box added during the year, which was placed on Brock avenue near the new schoolhouse and numbered 583.

We have now a total of eighty-six (86) boxes, twenty-seven (27) of which are private; forty (40) miles of wire, twelve (12) bells and strikers, nine (9) fifteen-inch engine house gongs, seven (7) seven-inch engineers' gongs, and eight (8) small tappers, operated by a gravity battery of three hundred cups. I would recommend that the committee look into the feasibility of changing our present gravity to a new storage battery, not only as a matter of convenience but economy.

PROTECTIVE DEPARTMENT.

The members of this department have been prompt in responding to all alarms, and have rendered valuable assistance on all occasions.

RECEIPTS AND EXPENDITURES.

By balance 1896,	$ 178.50	
Annual appropriation, 1897,	56,000.00	
Transfers from unappropriated funds,	14,000.00	
Receipts,	60.18	
Balance transferred from unappropriated funds,	2,217.82	
	$72,456.50	
Expenditures,		$72,456.50

CONCLUSION.

To His Honor the Mayor, gentlemen of the City Council, for the interest taken in this department; to the officers and members of the fire and police departments for the faithful manner in which they have performed all their duties, I return my sincere thanks.

FREDERICK MACY,
Chief of Fire Department.

STATEMENT OF EXPENDITURES.

Salaries,	$2,108.26
Pay rolls,	52,198.06
Shoeing and blacksmithing,	747.76
Hay and straw,	2,854.51
Grain,	1,156.50
Supplies,	1,048.58
Lights,	703.95
Wood and coal,	938.00
Rents,	60.00
Telephones,	450.00
Fire alarm supplies,	834.09
Engine and wagon repairs	525.70
Repairs of buildings,	2,854.79
Horses,	1,685.00
Horse hire,	1,703.25
Printing and incidentals,	685.89
Harnesses and repairs,	571.93
House furnishings,	1,111.68
Hose,	197.90
Labor,	20.65
	$72,456.50

ONWARD STEAM FIRE ENGINE COMPANY No, 1.

House on Purchase street, foot of Franklin street. Engine built by Amoskeag Manufacturing Co., Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 6,950 pounds; put into service August 26, 1869. Present company organized December 30, 1871.

Date of Joining.	No. of badge.	Name.	Rank.	Age.	Residence.	Occupation.
April 24, 1893.	10	James S. Haskins,	Captain,	32	Engine House,	Tinman.
July 28, 1890.	16	Charles S. Thomas,	1st Lieut.,	40	87 Locust st.,	Roll coverer.
June 30, 1892.	9	Robert Woolfenden,	2d Lieut.,	32	401 Pleasant st.	Clothier.
Jan. 28, 1873.	7	Julian A. Sweet,	Clerk,	49	134 State st.,	Roll coverer.
May 31, 1880.	14	Charles A. Wilson,	Hoseman,	41	95 Walden st.,	Carpenter.
Dec. 29, 1884.	19	John Whitehead,	"	52	580 Purchase st	Copper worker.
July 30, 1894.	13	Herbert C. Gifford,	"	25	236 Pleasant st.	City foreman.
July 31, 1893.	18	John Woolfenden,	"	34	400 Pleasant st.	Jeweler.
Mar. 25, 1895.	6	Law. T. Woolfenden,	"	25	441 Pleasant st.	Shoe dealer.
May 7, 1893.	11	Fred'k W. Brightman,	"	39	178 Kempton st	Paint maker.
Mar. 30, 1896.	17	Thomas Walmsley,	"	28	1 Ashland st.,	Clerk.
Mar. 30, 1897.	15	William O. Martin,	"	23	68 Spruce st.,	Carpenter.
Sept. 30, 1895.	12	Edward F. Tripp,	Substitute,	35	359 Pleasant st,	Painter.
April 5, 1897.	8	Edward L. Wilson,	"	30	"	"
June 9, 1894.	20	John H. Backus,	Engineer,	45	Engine House,	Engineman.
June 9, 1894.	21	Edw. F. A. Cowen,	Driver,	48	"	Driver.
Dec. 1, 1894.	23	William H. Young,	"	35	"	"
Dec. 1, 1894.	22	George F. Backus,	Stoker,	24	Purchase st.,	Machinist.

PROGRESS STEAM FIRE ENGINE COMPANY No. 2.

House, corner Purchase street and Mechanics lane. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into commission November 6, 1884. Company organized October 27, 1860.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Nov. 1, 1862.	25	John Downey	Captain	60	119 N.Second st	Teamer.
May 5, 1884.	36	Samuel W. Mitchell	1st Lieut.	39	155 Purchase st	Fish dealer.
July 2, 1894.	31	John H. Dollard	2d Lieut.	43	42 Arch st.	Stone cutter.
Dec. 1, 1890.	24	Jas. L. Crowley	Clerk	28	252 Chestnut st.	Plumber.
Sept. 7, 1874.	32	Chas. F. Dean	Hoseman	40	59 Elm st.	Painter.
July 3, 1876.	34	Moses Dean	"	43	202 Purchase st	Blacksmith.
Jan. 12, 1892.	28	Henry A. Sherman	"	40	327 County st.	Carriagesmith.
Jan. 12, 1892.	30	Geo. W. Haskins	"	29	300 Cedar st.	Carriage trim'r
Apr. 22, 1896.	33	Chas. P. Johnson	"	38	72 First st.	Mechanic.
Apr. 22, 1896.	27	John W. Baker	"	35	42 Hill st.	Carpenter.
July 1, 1896.	35	Willliam L. Durfee	"	23	69 Mechanics lane	Driver.
Jan. 4, 1896.	29	T. J. Durant	"	29	27 Cedar st.	Coachman.
Sept. 1, 1892.	129	Edward E. Spooner	Substitute	23	60 Spring st.	Clerk.
Apr. 22, 1896.	37	Chas. E. Robertson	"	22	71 Foster st.	"
Aug. 23, 1892.	38	Benjamin G. Groves	Engineer	42	Engine house	Engineer.
June 25, 1893.	39	Charles Allen	Driver	41	" "	Hostler.
Apr. 26, 1895.	41	Roland Hatch	Reel driver	28	" "	"
Apr. 1, 1897.	40	Oscar W. Hammond	Stoker	28	" "	Stoker.

CORNELIUS HOWLAND STEAM FIRE ENGINE COMPANY No. 4.

House, corner Sixth and Bedford streets. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into service May 20, 1884. Company organized February 1, 1867.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 6, 1897.	47	Chas. H. Card	Captain	50	73 Forest st	Painter.
May 14, 1895.	42	Geo. F. Tobey	1st Lieut.	39	7 Crapo st	Plumber.
May 28, 1894.	45	Louis A. Vierick	2d Lieut.	27	102 Fourth st	Frame maker.
Feb. 16, 1888.	49	Frank C. Jennings	Clerk	31	19 Allen st.	Oil dealer.
Jan. 29, 1867.	46	James M. Tripp	Hoseman	62	211 Acushnet av	Pattern maker
Sept. 29, 1872.	44	Chas. S. Wing	"	43	279 "	Fireman.
Nov. 10, 1879.	53	Benj. F. Hinckley	"	40	179 Fourth st.	Printer.
July 26, 1886.	43	William E. Watson	"	34	37 Fifth st.	Fish dealer.
Jan. 5, 1894.	50	Henry Larocque	"	27	86 So. Sixth st.	Machinest.
July 2, 1894.	48	Harrie B. Jennings	"	23	19 Allen st.	Clerk.
	51	John E. Joseph	"	28	97 So. Sixth st.	"
Mar. 1, 1897.	52	John P. Kennedy	"	29	144 Bedford st.	"
	55	Arthur C. Smith	Substitute	21	34 Bedford st.	Electrician.
Sept. 27, 1897.	54	Edward L. Macomber	"	25	106 Page st.	Blacksmith.
Aug. 29, 1878.	56	Alonzo V. Jason	Enginem'n	42	111 So. Seventh [st.	Engineer.
Mar. 25, 1889.	58	Leander Reed	Stoker	48	3 Bay st.	Clerk.
Jan. 29, 1867.	57	Geo. H. W. Tripp	Driver	60	57 Bedford st.	Driver.
April 1, 1889.	59	Wm. C. Kennedy	Wagon [driver	32	144 "	"

ZACHARIAH HILLMAN STEAM FIRE ENGINE COMPANY No. 5.

House, corner County and Hillman streets. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,300 pounds; put into service March 10, 1894. Company organized December 13, 1873.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 31, 1888.	70	Thomas H. Forbes	Captain	35	121 Cedar st.	Fireman.
Dec. 28, 1891.	73	Ernest L. Soule	1st Lieut.	35	254 Maxfield st.	Wood worker.
Feb. 9, 1891.	60	Geo. E. Macomber	2d Lieut.	45	218 North st.	Engineer.
Oct. 1, 1885.	63	Joseph C. Forbes	Clerk	31	230 Kempton st	Shoemaker.
Dec. 13, 1873.	62	Isaiah H. Wilcox	Hoseman	62	506 Acush. ave.	Painter.
May 1, 1876.	64	George H. Chadwick	"	63	354 Kempton st.	"
Sept. 30, 1890.	68	Thomas N. Meyers	"	35	205 Summer st.	Frame maker.
Sept. 30, 1889.	71	Obed S. Cowing	"	34	278 Mill st.	Carpet uphol'r
June 26, 1893.	69	John F. Gifford	"	42	383 Kempton st	Foreman stre't dept.
Feb. 1, 1893.	61	Frank B. Chadwick	"	25	367 "	Frame maker.
Oct. 1, 1894	65	William L. Davis	"	35	106 Chestnut st	Painter.
Dec. 31, 1894.	66	Charles H. Bowman	"	32	5 North st.	Teamster.
April 29, 1895.	72	Louis H. Almy	Substitute	27	12 Spruce st.	Printer.
April 27, 1896.	67	Edward N. Bennett	"	37	115 Willis st.	Clerk.
Dec. 13, 1873.	74	Martin Blanchard Jr	Engineer	53	Engine house	Engineer.
May 1, 1882.	76	Charles W. Jones	Stoker	43	373 Cottage st.	Wood worker.
Jan. 7, 1876.	75	Benj. F. King, Jr.	Driver	56	Engine house	Hostler.
Jan. 28, 1883.	77	Martin S. Nelson	Wagon driver	40	" "	"

FREDERICK MACY STEAM FIRE ENGINE COMPANY No. 6.

House on Fourth street, head of Potomska street. Engine built by Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,100 pounds; put into service November 1, 1882. Company organized October, 31, 1882.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Oct. 31, 1882.	135	Frederick S. Nelson	Captain	31	15 Bonney st.	Mason.
Feb. 3, 1890.	131	Charles E. Allen	1st Lieut.	29	254 Fourth st.	Painter.
Dec. 15, 1892.	121	Charles E. Greene	2d Lieut.	24	204 County st.	Turner.
Oct. 31, 1882.	122	Herbert B. Gardner	Clerk	50	132 Washington st.	Compositor.
Oct. 26, 1886.	130	Edward W. O'Neill	Hoseman	36	30Thompson st	Glass cutter
Oct. 31, 1882.	132	Jason L. Ballou	"	52	37 Crapo st.	Carpenter.
Oct. 31, 1882.	127	Thomas Wood	"	51	108 Bonney st.	Photographer.
Oct. 31, 1882.	125	Marshall S. Greene	"	43	233 Rivet st.	Mason.
Mar. 27, 1883.	128	Joseph Jackson	"	42	1 Bedford st.	Barber.
Oct. 31, 1882.	133	Charles K. Wood	"	45	35 Crapo st.	Passapartout maker.
June 30, 1891.	123	John F. Rogers	"	30	97 Acush. av.	Undertaker.
May 31, 1892.	138	Michael Stapleton	"	38	168 Cove st.	Salesman.
June 26, 1894.	126	James Rock, Jr.	Substitute	25	743 S. Water st	Clerk.
Jan. 1, 1895.	124	George H. Whelan	"	26	216 County st.	Solderer.
Oct. 31, 1882.	137	Charles G. Taber	Engineer	49	224 County st.	Engineer.
Nov. 24, 1885.	142	John J. Crowley	Stoker	40	499 So. First st	"
Oct. 31, 1882.	134	Frank A. C. Greene	Eng.driver	32	87 Acush. ave.	Engine driver.
Oct. 31, 1882.	136	N. Herbert Greene	Hose "	41	288 Fourth st.	Hose driver.

STEAM FIRE ENGINE COMPANY No. 7.

House on Durfee street. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into service September 1, 1890. Company organized September 1, 1890.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Sept. 1, 1890.	205	M. C. Dahill	Captain	38	28 Richmond	Fireman.
" "	204	E. H. Booth	1st Lieut.	47	35 Durfee	Car inspector.
" "	206	John H. Ryan	2d Lieut.	39	563 Cottage	Plumber.
" "	197	S. C. Lowe	Hoseman	40	Walnut and [Eighth sts	Merchant.
" "	198	Thomas Mack	"	35	Emerson st	Clerk.
" "	208	C. A. Gallaghan	"	30	706 County st	Merchant
" "	207	J. D. Manseau	"	32	30 Durfee st	Salesman
" "	203	Geo. A. Bosworth	"	34	20 Richmond st	Contractor.
" "	210	J. M. Whittaker	"	32	342 Cedar st	Laundryman.
Nov. 11, 1890.	211	C. L. Dunham	"	30	Merrimac st	Merchant.
May 3, 1893.	195	John N. O'Brien	Clerk	35	Robeson st	"
June 11, 1894.	212	Thomas Lowe	Hoseman	51	Shawmut ave	Plumber.
Dec. 12, 1894.	196	Wm. Simister	Substitute	31	44 Durfee st	Grocer.
July 1, 1896.	209	Charles F. Daley	"		Cedar Grove st	Plumber.
Sept. 1, 1890.	199	Jas. R. Goddard	Engineer	39	Cottage st	Engineer.
" "	202	Andrew Tripp	Stoker	45	1 Durfee st	Shoemaker.
" "	200	W. H. H. S. King	Driver	34	55 Mt. Pleasant	Hostler.
" "	201	E. H. Coggeshall	"	27	[st 1 Durfee st	"

STEAM FIRE ENGINE COMPANY No. 8.

House, Acushnet avenue and Davis street. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity 500 gallons per minute; put into service December 1, 1894. Company organized December 1, 1894.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
April 6, 1897.	238	Geo. H. Cook	Permanent man	36	254 Coffin ave	Fireman.
Jan 21, 1896.	252	John Hilton	1st Lieut.	43	Acushnet ave	Teamster.
Dec. 1, 1894.	246	Robert McWhinnie	2d Lieut.	39	Church st	Mill hand.
" "	244	Michael McDonnell	Clerk	30	Austin and Cedar sts	Merchant.
" "	245	Thomas S. Riley	Treasurer	29	98 Austin st	"
" "	242	David C. McWhinnie	Hoseman	33	Ashland st	Mechanic.
" "	241	James Slater,	"	46	678 Purchase st	Merchant.
" "	247	Edward L. Hughes	"	30	Coffin ave	Clerk.
" "	248	Nicholas Whalen	"	31	Cedar st	Merchant.
" "	251	Daniel S. Considine	"	33	Park hotel	"
May 28, 1897.	253	Wm. McCann	"	36	200 No. Front	,,
May 1, 1896.	243	John H. Finnell	"	31	Acushnet ave	"
" "	254	John S. Francis	Substitute	30	Coffin ave	Mill hand.
Sept. 22, 1897.	249	Wm. H. Ardrey	"	26	" "	" "
Dec. 1, 1894.	237	Wm. R. Moore	Engineer	34	Sawyer st	Engineer.
" "	239	Squire A. Gifford	Driver	40	1090 Acush. ave	Hostler.
" "	250	Antone M. Lemos	"	33	Davis st	"
" "	240	John Watkinson	Stoker	32	441 Pleasant st	Clerk.

HANCOCK ENGINE COMPANY No. 9.

House located at Acushnet. Engine built by John Agnew of Philadelphia, in 1843. Engine removed to Acushnet, January 18,1861, and a company was organized to man her at that time. Company reorganized December 14, 1878.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Nov. 28, 1865.	147	Francis P. Washburn	Captain	54	Acushnet ave	Carpenter
Dec. 14, 1878.	160	Herbert M. Spooner	1st Lieut.	38	Belleville ave	Boxmaker
Sept. 3, 1883.	151	John G. Whalon	2d Lieut.	36	Acushnet ave	"
Feb. 28, 1870.	146	John A. Russell	Clerk	47	" "	Farmer.
May 1, 1882.	159	Israel H. Peckham	Suction hoseman	55	" "	Blacksmith.
Nov. 20, 1874.	158	Lemuel A. Washburn,	" "	59	" "	Teamster.
Dec. 4, 1882.	164	George W. Hawes	" "	43	" "	"
Dec. 14, 1878.	153	William T. Gifford	Leading hoseman	51	Mill road	Farmer.
May 3, 1886.	155	George H. Gifford	" "	25	Acushnet ave	Carpenter.
April 30, 1877.	154	Joseph W. Spooner	" "	44	" "	Teamster.
Dec. 27, 1897.	166	Erank L. Reed	" "	23	Tarklin Hill rd	"
Dec. 14, 1878.	152	James A. Wilber	" "	51	Mill road	Rope maker.
Feb. 4, 1889.	161	William P. Reed	Brakeman	44	Tarklin Hill rd	Teamster.
Dec. 6, 1886.	145	John F. Parker	"	27	Main st	Painter.
Aug. 26, 1895.	150	Allen G. Briggs	"	31	Acushnet ave	Blacksmith.
Dec. 14, 1878.	149	John Sylvia	"	57	River st	Shoemaker.
May 30, 1870.	148	And'w B. Grinnell, Jr.	"	57	Acushnet ave	Clerk.
Dec. 14, 1878.	165	Allen Russell, Jr.	"	39	" "	Farmer.
Jan. 7, 1889.	163	Nathan C. Briggs	"	62	" "	Carpenter.
Jan. 11, 1881.	157	Walter H. Darling	Steward	31	Main st	Boxmaker.
Sept. 25, 1893.	162	Fred'k W. Bowles	"	31	Acushnet ave	Sawyer.
May 4, 1885.	156	Henry E. Reed	"	29	Mill road	Bricklayer.
Sept. 16, 1895.		Edward F. Davis	Substitute	30	Tarklin Hill rd	Laborer.
May 4, 1896.		Edgar W. Darling	"	21	Acushnet ave	Boxmaker.

HOOK AND LADDER COMPANY No. 1.

House, corner Purchase street and Mechanics lane. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission April 29, 1895.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Jan. 5, 1884.	101	Frank Spooner	Captain	42	W. North st	Painter.
Nov. 30, 1896.	100	Chas. W. Vining	1st Lieut.	38	1 North st	Carpenter.
July 25, 1890.	107	George A. Caswell	2d Lieut.	26	94 Middle st	Blacksmith.
June 24, 1889.	104	Wm. L. Fletcher	Clerk	32	38 Cedar st	Grinder.
Jan. 31, 1870.	87	Lysander W. Davis	Ladderm'n	61	106 Chestnut st	Carpenter.
April 27, 1896.	88	Harry F. Chase	"	25	111 High st	Undertaker.
Feb. 1, 1897.	89	David A. Cobb	Axeman	29	480 Union st	Painter.
Jan. 24, 1883.	105	Edward D. Francis	"	42	86 Kempton st	Shoemaker
Nov. 29, 1886.	103	Alfred M. Gifford	Ladderm'n	34	5 North st	Teamer.
Aug. 25, 1865.	102	Charles J. Johnson	"	65	544 Cottage st	Sparmaker.
Jan. 1, 1895.	98	Edw. C. Negus, Jr.	"	25	72 Walden st	Clerk.
Aug. 7, 1863.	86	Philip M. Tripp	"	58	173 Arnold st	Teamer.
Feb. 1, 1897.	91	Jas. Manchester	Substitute	38	229 Cedar st	Painter.
April 26, 1897.	106	Wm. F. Wilcox	"	44	Bancroft house	Watchman.
Sept. 1, 1888.	93	George S. Allen	Driver	37	297 Acush. ave	Hostler.
	97	Isaac R. Allen	Tillerman	41	120 High st	

HOOK AND LADDER COMPANY No. 2.

House on Weld street. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission August 30, 1888. Present company organized September, 1888.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Sept. 1, 1888.	175	Martin H. Sullivan	Captain	39	78 North st	Carpenter.
Sept. 8, 1893.	176	Edward M. Murphy	1st Lieut.	32	834 County st	Clerk.
Sept. 1, 1892.	174	Charles H. McCarty	2d Lieut.	26	State & Clarkst	Driver
Sept. 1, 1888.	180	Peter F. Sullivan	Clerk	37	869 County st	Grocer.
June 1, 1897.	179	Michael J. Sullivan	Ladderm'n	38	837 Purchase st	Carpenter
Sept. 1, 1888.	171	Henry W. Kenyon	"	56	910 Acush. ave	
" "	177	John S. Harrington	Axeman	38	Weld & Pleas't	Driver.
" "	178	David Warren	"	40	257 State st	Stableman.
May 1, 1890.	184	Frank R. Pease	Climber	39	923 Acush. ave	Druggist.
Mar. 1, 1892.	173	William Sellicks	Poleman	28	136 No. Front	Driver.
Sept. 1, 1892.	182	Henry Lenhart	Ladderm'n	25	Marvin st	Clerk.
Dec. 18, 1894.	181	John Conway	"	22	136 No. Front	Plumber.
Oct. 1, 1895.	183	John E. Murphy	Substitute	26	209 Ced. Grove	Clerk.
May 1, 1896.	172	James H. Mahoney	"	21	County & Pen.	Plumber.
Oct. 9, 1894.	108	Geo. H. Nickerson	Driver	29	932 Acush. ave.	Hostler.
Sept. 17, 1895.	215	Jeremiah T. Haggerty	Tillerman	28	938 Acush. ave.	TillerMan.

HOOK AND LADDER COMPANY No. 3.

House on Fourth street, head of Potomska. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission November 1, 1891. Company organized November 1, 1891.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Nov. 1, 1891.	221	Henry E. Chase	Captain	33	167 Grinnell st	Painter.
" "	218	John O'Neil	1st Lieut.	34	30 Thompson st	Glass cutter.
" "	222	Henry R. Lindsey	2d Lieut.	35	211 County st	Carpenter.
" "	219	Daniel E. Nelson	Clerk	33	314 So. Second	Mason.
" "	224	James R. Gifford	Axeman	35	15 Columbia st	Lineman.
" "	220	John J. Meaney	Ladderm'n	28	6 W. French av	Carpenter.
Feb. 1, 1892.	225	Stephen J. Cassidy	"	31	273 Fourth st	Painter
Dec. 5, 1892.	223	Ernest F. McCarty	"	29	65 Acush. ave	Blacksmith.
June 5, 1893.	227	Manuel J. Francis	"	32	257 So. Second	Clerk.
Jan. 7, 1895.	217	Nelson L. Pike	"	32	Dartmouth st	Sexton.
July 8, 1897.	226	Frank Lavoie	"	36	281 Fourth st	Painter.
Aug. 2, 1897.	228	Edward M. Slocum	"	26	18 Sherman st	Civil engineer.
April 5, 1897.	229	William H. Green	Substitute	20	233 Rivet st	Clerk.
April 1, 1897.	232	Martin J. Galvin	Driver	37	Engine house	Driver.
April 1, 1897.	331	George H. Baylies	Tillerman	25	" "	Fireman.

CHEMICAL ENGINE COMPANY No. 1.

House, corner Purchase street and Mechanics lane. Wagon built by Charles F. Halloway, Baltimore, Md.; put into commission July 1, 1895. Company organized December 31, 1871.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 1, 1889.	80	Daniel W. Howland	Captain	61	219 Kempton st	Blacksmith.
" "	81	John B. Oliver	Clerk	33	263 Cottage st	Blacksmith.
June 3, 1895.	82	Charles E. Thomas	Hoseman	37	39 Newton st	Carpenter.
May 19, 1896.	83	John P. Thompson	"	37	43 Sixth st	Painter.
" "	84	Fred E. Mosher	Driver	36	194 Kempton st	Hostler

HOSE COMPANY No. 2.

House, corner of Weld and Bowditch streets. Wagon built by Brownell, Ashley & Co., New Bedford: put into commission December 1, 1888. Company organized December 3, 1888.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 13, 1888.	17	Reuben Taber	Permanent man	41	Engine House	Fireman.
" "	186	Mark Watson	1st Lieut.	38	315 Pleasant st	Merchant.
" "	187	Stephen L. Finnell	2d Lieut.	38	17 Reynolds st	Salesman.
" "	192	Geo. C. Hewins	Clerk	25	762 County st	Engineer.
" "	188	Bartholomew P. Fury	Hoseman	35	501 Purchase st	Salesman.
Aug. 16, 1889.	189	Wm. Woolfenden	"	28	465 Pleasant st	Barber.
Aug. 1, 1893.	190	John Watson	"	40	8 Ashland st	Salesman.
April 28, 1895.	191	Wm. Moore	Substitute	22	52 Weld st	Decorator.
Dec. 12, 1893.	194	Arthur McDonald	Driver	26	Engine House	Driver.

NEW BEDFORD PROTECTING SOCIETY.

President, Charles S. Kelley; 1st Director, William A. Robinson; 2d Director, Charles H. Lawton; 3d Director, Edward T. Pierce; 4th Director, Charles M. Haskell; 5th Director, Edmund F. Maxfield; 6th Director, Edmund Wood; 7th Director, John H. Lowe; 8th Director, John E. Gibbs. Secretary and Treasurer, Edmond L. Wilde.

Francis T. Akin,
Gideon Allen, Jr.,
George H. H. Allen,
James H. Bamford,
William Bamford,
Lewis E. Bentley,
George W. Bennett,
O. Frank Bly,
Standish Bourne,
Byron F. Card,
Charles A. Case,
R. C. P. Coggeshall,
Clifton H. Cornish,
Henry C. Denison,
Ernest A. Dunham,
Fred C. Dunham,
Joseph Dias,
John Eldridge, Jr.,
James P. Francis,
Edward R. Gardner,
John E. Gibbs,
Frank H. Gifford,
Charles H. Gifford,
Thomas J. Gifford,
A. W. Hadley,
Charles H. Holden,
John J. Howland,
Edgar B. Hammond,
Henry F. Hammond,
H. S. Hutchinson,
Thomas H. Knowles,
G. D. Kingman,
Edgar R. Lewis,
Wm. J. Lewis,
Philander F. Manchester,
Frederick B. Macy,
J. Roland Macy,
Willard Nye, Jr.,
Otis N. Pierce,
William F. Potter,
Edward F. Penney,
William H. Pitman,
Charles L. Paine,
Stephen D. Peirce,
George A. Phillips,
William F. Read,
Morgan Rotch,
Arthur E. Robbins,
Louis H. Richardson,
Gardner T. Sanford,
R. W. Swift,
Leander H. Swift,
S. Edward Shaw,
Andrew Snow, Jr.
Robert Snow,
Frederic Taber,
William T. Taylor,
Alfred Thornton,
Alfred G. Wilbor,
William Whitehead,
Horace Wood,
Frederic A. Washburn,
Thomas F. Wood,
William R. West,
Mark T. Vincent.

Fire Alarms, Losses and Insurance for 1897.

The loss by fire for the year ending December 31, 1897, was $63,638.76. Amount of insurance, $973,581.34. Number of bell alarms, 63. Number of still and telephone alarms, 85. Total alarms, 148.

Jan. 2, 1.30 P. M. (Still.) Chimney fire corner of Spring and Seventh streets, owned and occupied by Dr. E. H. Waite. Responded to by Chemical and men from Engine No. 4 Station. No loss.

Jan. 8, 3.45 P. M. (Still.) Fire in dwelling house Sycamore and Cottage streets, owned by Joseph Parker and occupied by Sumner Parker. Cause, lamp exploded. Responded to by men from Engine No. 5 Station. No loss.

Jan. 9, 12.45 P. M. (Still.) Fire in dwelling house No. 67 Fifth street, owned by E. B. Wood estate and occupied by Mrs. E. B. Wood. Cause, overheated furnace. Responded to by men from Station No. 4. No loss.

Jan. 12, 7 P. M. (Still.) Fire in dwelling house corner Madison and Seventh streets, owned and occupied by Henry P. Willis. Cause, lamp upset. Loss on building, $23; insurance, $3,500; contents, $12; insurance, $1,500.

Jan. 13, 3 P. M. (Still.) Fire in dwelling house, Oneko lane, owned and occupied by John Nicholas. Cause, chimney. Responded to by men from Station No. 8. No loss.

Jan. 14, 10.50 A. M. (Still.) Fire in dwelling house No. 89 Acushnet avenue, owned by John Welch and occupied by Mrs. Sanders. Cause, clothes horse on stove. Responded to by men from station No. 6. No loss.

Jan. 19, 5.10 P. M. (Still.) Chimney fire, dwelling house on Allen street, owned and occupied by John T. Tillinghast. Responded to by men from Station No. 4. No loss.

Jan. 19, 6.45 P. M. (Still.) Chimney fire, dwelling house No. 691 County street, owned and occupied by Isaac B. Thompkins. Responded to by men from Station No. 5. No loss.

Jan. 21, 1.40 P. M. (Still.) Fire in building No. 129 Purchase street, owned by Philip Colby and others and occupied by Dr. Stevens. Cause, woodword around chimney. Responded to by men from Central Station. Loss on building, $26.85; insurance, $4,800.

Jan. 21, 5.40 P. M. (Still.) Chimney fire, northwest corner South and First streets, owned by Frank Perry and occupied by John J. King. Responded to by men from Station No. 6. No loss.

Jan. 26, 10 A. M. (Still.) Chimney fire, dwelling house corner Lincoln and Arnold streets, owned and occupied by E. B. Whiting. Responded to by men from Station No. 4. No loss.

Jan. 26, 11 A. M. (Still.) Chimney fire, dwelling house No. 11 Lincoln street, owned and occupied by William A. Reed. Responded to by men from Station No. 4. No loss.

Jan. 26. 5.12 P. M. Box 56. Fire in woodshed on Water street, south of Rivet street, owned by Mrs. Enos. Cause, set by children. Companies responding, Engines Nos. 4 and 6, Ladder No. 3 and Chemical No. 1. No loss.

Jan. 27, 1.45 P. M. (Still.) Fire in dwelling house northeast corner Sixth and Madison streets. Cause, hot ashes in box. Responded to by men from Station No. 4. No loss.

Jan. 27, 2.48 P. M. Box 56. Fire in house on Blackmer street, owned by Joseph Pastor and occupied by Joseph Pastor. Cause, clothes caught from stove. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. Loss on building, $7.83; insurance, $2,000; contents, $15; no insurance.

Feb. 9, 4.22 P. M. Box 51. Fire in dwelling house on Columbia street, owned and occupied by John McLeod. Cause, rats and matches. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. Loss on building, $675. Insurance, $1,500. Contents, $237.85, Insurance, $1,100.

Feb. 9, 5.30 P. M. (Still.) Fire in shoe shop No. 465 Kempton street, owned and occupied by Isaac Rosenthall. Cause, overheated stovepipe. Responded to by men from Station No. 5. Loss on building $15. No insurance.

Feb. 15, 6.02 P. M. Box 21. Fire in foundry corner Water and Front streets, owned and occupied by A. Swift. Cause, sparks from furnace. Companies responding, Engines Nos. 1, 2 and 5, Ladder No. 1, Chemical No. 1. No loss.

Feb. 20, 7.49 A. M. Box 57. Fire in house on Mosher street, owned by Theodore J. Sylvia. Cause, shavings near stove. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. No loss.

Feb. 25, 5.05 P. M. (Still.) Chimney fire in house Rural cemetery, owned by city. Responded to by men from Station No. 4.

Feb. 26, 9 P. M. (Still.) Fire in building corner Pleasant street and Mechanics lane, owned by L. Brownell estate. Cause, cigar in cuspadore. Responded to by Chemical No. 1. No loss.

Feb. 27, 8.27 A. M. Box 74. Fire at Acushnet mill. Cause, boiler explosion. Companies responding—Engines 2, 4, 5, 6, Ladder 1 and 3, Chemical 1.

Feb. 27, 8.37 A. M. Same fire, companies responding, Engines 1 and 7, Hose 2. Loss $40,000. Insurance $340,000. (Blanket policy.)

March 1, 8.37 A. M. Box 53. Fire in dwelling house in Dartmouth. Companies responding, Engines Nos. 4 and 6, Ladder 3, Chemical 1.

March 7, 12 M. (Still.) Fire in bed in dwelling house corner Griffin and Water streets. Extinguished by police. No loss.

March 7, 5.50 P. M. (Still.) Chimney fire in Acushnet mill block. Responded to by men from Station 6.

March 11, 1.20 A. M. Box 39. Fire in laundry Acushnet avenue, owned and occupied by A. H. & J. J. Donaghy. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building $250. Insurance, $500. Contents, $549.38. Insurance, $2,400.

March 19, 2.45 P. M. (Still.) Smoke from chimney Trinitarian church, corner Fourth and School streets. Responded to by Chemical 1. No loss.

March 30, 1.05 P. M. (Still.) Chimney fire in dwelling house 209 South Second street, owned by estate S. C. Hart. Responded to by men from Station No. 4. No loss.

March 31, 4.45 P. M. (Still.) Smoke in house 127 Water street, owned by Mrs. Hetty Green, and occupied by Morty James. Cause, back draft from chimney. Responded to by men from Station No. 4. No loss.

April 2, 1.45 P. M. Box 123. Fire in woods near Nash road. Responded to by Engine No. 8 and Hose No. 2. No loss.

April 3, 3.15 P. M. (Still.) Fire in brush West Maxfield street, owned by Offley estate. Responded to by men from Station No. 5.

April 11, 3.48 P. M. Box 57. Fire in house northeast corner South First and Delano streets. Cause, explosion of lamp. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. No loss.

April 19, 5.15 P. M. (Still.) Brush fire Rural cemetery. Responded to by men from Station No. 4.

April 22, 10.30 A. M. (Still.) Fire in ward room, Weld street, owned by city of New Bedford. Cause, hot iron in charcoal. Responded to by men from Weld street Station.

April 22, 3.30 P. M. (Still.) Grass fire, Rockland and County streets, owned by St. James church. Responded to men from Station No. 6.

April 22, 11 P. M. Box 27. Fire at Manhattan House, Hall's court, owned and occupied by M. F. Kane. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1. Loss on building $18. Insurance $3,000. Contents, $48.25. Insurance, $3,500.

April 23, 11 A. M. (Still.) Fire in building on Linden street, owned by William Baylies. Cause, set by boys. Responded to by men from Station No. 7.

April 27, 4.45 P. M. (Still.) Brush fire Hawthorn street, west of Rotch avenue. Responded to by men from Station No. 4.

April 27, 7.45 A. M. Box 3. Chimney fire, house on Mill road, Acushnet, owned by Acushnet Saw Mill Co. Responded to by Engine No. 9. No loss.

April 30, 9.45 P. M. Box 35. Chimney fire, dwelling house Fifth and Spring streets, owned by Luthan J. Greene. Responded to by Engines Nos. 2 and 4, Ladder 1, Chemical 1. No loss.

May 1. Box 128. False alarm. Responded to by Engines Nos. 1 and 7, Ladder No. 2, Hose 2, Chemical No. 1.

May 4, 9.20 P. M. (Still.) Fire in building 28 North Second street, owned by Tilden & Co., and occupied by Salvation Army. Cause, lamp set fire overhead. Responded to by Chemical No. 1.

May 6, 3.30 P. M. (Still.) Fire on roof building corner Sixth street and Park place, owned by Mrs. Abner Bartlett, and occupied by Watson Bros. Cause, sparks from chimney. Responded to by Chemical No. 1. Loss on building, $6.75. Insurance, $5,000.

May 7, 1.55 P. M. (Still.) Fire in dwelling 31 Myrtle street, owned and occupied by Richard Bailey. Cause, overheated stove. Responded to by Engine No. 7. Loss on building, $10. Insurance, $800.

May 9, 11.02 A. M. (Still.) Fire in woods, Hawthorn street. Responded to by men from Station No. 4.

May 11. Fire in dwelling No. 5 Foster street, owned and occupied by Lillian A. Buchell. Cause, door caught from gas jet. Loss on building $5. Insurance, $2,000.

May 17, 7.42 P. M. (Still.) Fire in rubbish Delano and Second streets. Responded to by men from Station No. 6.

May 19, 11.15 A. M. (Still.) Fire in woods on Hawthorn street. Responded to by men from Station No. 4. No loss.

May 23, 7.45 P. M. (Still.) Fire in dwelling southeast corner Arnold and Ash streets. Owned by Henry Greeley and occupied by Mrs. Thorpe. Responded to by men from Station No. 4. No loss.

May 25, 3.10 P. M. (Still.) Chimney fire, house owned by Mrs. A. T. Eddy. Responded to by Chemical No. 1.

May 25, 8.45 P. M. Box 48. Fire in building 237 First street, owned by M. De Mello, and occupied by Bicycle club. Cause, falling of lamp. Responded to by Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. No loss.

May 27, 4.35 P. M. Box 127. Fire in building on State street near Linden street, owned by J. B. Sullivan. Cause, boys and matches. Responded to by Engines Nos. 1 and 7, Ladder No. 2, Hose No. 2, Chemical No. 1. No loss.

May 27, 7.15 A. M. (Still.) Fire in house 617 Purchase street, owned by P. Smith, and occupied by Turner Calvert. Cause, pipe set fire to chair. Responded to by men from station 1. No loss.

June 3, 9.40 P. M. Box 24. Fire in dwelling house No. 414 Kempton street, owned by Mrs. Warfield, and occupied by D. Kanock. Cause, falling lamp. Companies responding, Engines Nos. 5 and 7, Ladder No. 1, Chemical No. 1. Loss on building, $9.83; insurance, $400; contents, $36.73; insurance, $250.

June 6, 1.40 P. M. (Still.) Chimney fire in dwelling house on Fifth street, owned and occupied by Dr. Leonard. Responded to by men from Station 4. No loss.

June 8. (Still.) Fire in grocery store 385 South Water street, owned by Anthony Hurd and occupied by Antone Mederois. Cause, defective stove pipe. Responded to by men from Station No. 4. Loss on building, $25; insurance, $1,500; contents, $8; insurance, $400.

Jan. 8, 4.35 A. M. (Still.) Fire in store 120 Union street, owned by D. B. Allen and occupied by G. E. Allen & Co. Cause, gas set fire to woodwork. Responded to by Chemical No. 1. Loss on building, $12.35; insurance, $2,500.

June 11, 12 M. Fire in Pierce mill. Cause, unknown. Extinguished by mill department. Loss on contents, $100; insurance, $5,300.

June 13, 7.30 P. M. (Still.) Fire in unoccupied house, Middle Point road, owned by J. Hanna. Cause unknown. Responded to by men from Station No. 6. No loss.

June 16, 11.15 A. M. (Still.) Fire in house 52 Rockland street, owned and occupied by John Robinson. Cause, child and matches. Responded to by men from Station No. 6. Loss on building, $42; insurance, $1,800.

June 19, 10 P. M. (Still.) Fire in stable corner Summer and Sycamore streets, owned and occupied by Edward M. Pierce. Cause, electric light wires. Responded to by men from Station No. 5. Loss on contents, $75; insurance, $300.

June 20, 11.15 A. M. (Still.) Fire in house No. 77 Middle street, owned by estate Thomas Sullivan and occupied by William Thompson. Cause, chimney. Responded to by Chemical No. 1. No loss.

June 24, 7.20 P. M. (Still.) Fire in hay store on Front street, owned by Mrs. Hetty Green and occupied by William Baylies. Cause, incendiary. Responded to by Chemical No. 1. No loss.

June 25, 9.45 P. M. Box 15. Fire in barn on Smith street, owned by Calvin Raymond and occupied by Calvin Raymond and others. Cause, incendiary. Loss on building $400; no insurance; contents, $150; insurance, $4,000.

June 26, 9.35 A. M. (Still.) Fire in dwelling house No. 92 High street, owned and occupied by H. G. Mosher. Cause, sparks from chimney. Responded to by Chemical No. 1.

June 26, 9.45 A. M. Box 27. Same fire. Responded to by Engines Nos. 2 and 4, Ladder No. 1. Loss on building, $125; insurance, $2,500.

June 27, 5.40 P. M. Box 46. Fire in building on South Water street, near Griffin street, owned by Lloyd M. Peirce and others and occupied by E. and I. McCarty and others. Cause, incendiary. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No 1.

June 27, 5.50 P. M. Box 46. Same fire, in buildings belonging to Thomas J. Hawes, Shaster, Antone M. George and Arthur Morrill. Companies responding, Engines Nos. 2 and 5, Ladder 1. Loss on buildings:—Lloyd M. Peirce and others $1,200, insurance $1200; Thomas J. Hawes $10, insurance $1,500; Shaster $5, insurance $500; Antone M. George $450, insurance $500. Loss on contents:—Samuel L. Horwitz $788, insurance $1,000.

June 27, 6.25 P. M. Box 76. Fire on Hastings' wharf, owned and occupied by N. B. Coal Co. Cause, sparks. Companies responding, Engines Nos. 1, 7 and 8, Ladder No. 2, Hose No. 2. Loss, $30; insurance, $1,000.

July 4, 10 A. M. Box 24. Fire in house on Elm street, corner of Cottage street, owned by Mrs. Chambers aud occupied by Charles Davis. Cause, fire in wood-box. Companies responding, Engines Nos. 5 aed 7, Ladder No. 1, Chemical No. 1. No loss.

July 4, 3.30 P. M. (Still.) Fire in restaurant No. 954 Acushnet avenue, owned by Baptiste Beaudreau and occupied by Baptiste Beaudreau. Cause, explosion of oil stove. Responded to by Hose No. 2 and Ladder No. 2. No loss.

July 4, 1.40 P. M. (Still.) Wood fire on Shawmut avenue, owned by E. H. Gammons. Cause, incendiary. Responded to by Engine No. 7 and Chemical No. 1. Loss, $100; no insurance.

July 5. (Still.) Fire in dwelling house No. 75 Kempton street, owned and occupied by F. A. Washburn. Cause, gas light caught curtains. Loss on building, $12; insurance, $3,000; contents, $5; insurance, $1,000.

July 5, 11.20 P. M. (Still.) Fire in house Union and Sixth streets, owned by Mrs. Beard and occupied by Mrs. Beard. Cause, fireworks. Responded to by Chemical No. 1. No loss.

July 5, 2.10 A. M. (Still.) Fire in building corner Union and Fifth streets, owned by estate Ward M. Parker and occupied by Frank Doug lass as a drug store. Cause, fireworks. Responded to by Chemical No. 1. No loss.

July 5, 6 P. M. Box 56. Fire in house on South Water street, owned and occupied by Bridget Enos. Cause, rubbish and fireworks. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. No loss.

July 6, 9.10 A. M. (Still.) Fire in house corner of Rockland street and Acushnet avenue, owned and occupied by Patrick Winterton. Cause stove in cellar. Responded to by men from Station No. 6. No loss.

July 7, 5.20 A. M. (Still.) Fire in house No. 886 New County street, owned and occupied by Mr. Duffiey. Cause, oil stove. No. loss.

July 8, 8.30 P. M. (Still.) Chimney fire in house corner Potomska and South Water streets, owned by Potomska Mills Corporation. Responded to by men from Station No. 6. No loss.

July 8, 12.15 P. M. Box 25. Fire in house No. 92 High street, owned and occupied by H. G. Mosher. Cause, sparks on roof. Companies responding, Engines Nos. 2 and 5, Ladder No. 1, Chemical No. 1. No loss.

July 9, 10.25 P. M. Boxes 9 and 14. Fire in paint mill on Wall street, owned and occupied by George Kirby & Co. Cause, spontaneous combustion. Companies responding, Engines Nos. 1, 5 and 8, Ladders Nos. 1 and 2, Hose No. 2, Chemical No. 1. Loss on building, $150; insurance, $8,625; contents, $700; insurance, $11,587.50.

July 10, 11 A. M. Box 134. Fire in house on Phillips avenue, owned by George E. Briggs, and occupied by William Ridel. Cause, oil stove. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical 1. No loss.

July 14. (Still.) Fire in City Mill. No loss.

July 14, 8.15 A. M. Box 9. Fire in house on Merrimac street, owned by William Whitman and occupied by William Booth. Cause, oil stove. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. No loss.

July 16, 9.15 A. M. (Still.) Chimney fire in house No. 56 Merrimac street, owned by estate Warren Ladd and occupied by A. A. Howland. Responded to by men from station No. 1. No loss.

July 16, 9 A. M. (Still.) Chimney fire in house rear No. 564 Purchase street, owned by Thomas Chivers and occupied by Mrs. Lapyere. Responded to by men from Station No. 1. No loss.

July 20, 7.30 A. M. Box 58. Fire in unfinished block corner County and Scott streets, owned by Henry St. Louis. Cause, boiling paint oil. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. No loss.

July 21, 6 P. M. (Still.) Fire in paper, foot of Pearl street. Set by boys. Responded to by men from Station No. 1. No loss.

July 24, 11.30 P. M. Box 135. Fire in six-tenement block corner Coggeshall and Howard streets, owned by Mrs. M. E. Smith and occupied by J. T. Smith and others. Cause, lamp. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $100; insurance, $4,000.

July 31, 3.10 P. M. (Still.) Fire in building 1 Weld street, owned by Considine Bros. and occupied by Mrs. Dufficy. Cause, oil stove. Responded to by men from Weld Street Station. No loss.

Oct. 2, 8.50 P. M. Box 135. Fire in house No. 222 Coggeshall street, owned by Stanislas Desautels and occupied by John Desautels. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $400; insurance, $4,000; contents, $487.96; insurance, $1,300.

Aug. 2, 9.30 P. M. Box 46. Fire in building on South water street, owned by Christopher Tillinghast and occupied by David Herrman. Cause, falling lamp. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical 1. Loss on building, $197.50; insurance, $1,250; contents, $200; no insurance.

Aug. 7, 4.40 P. M. Box 57. Fire in dwelling house No. 20 Winsor street, owned by Mrs. M. E. Davis and occupied by Mrs. M. E. Davis and others. Cause, spark in rags. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. No loss.

Aug. 12, 8 P. M. (Still.) Fire in building No. 60 Purchase street, owned by Brooks heirs and occupied by George S. Haven and others. Cause, spontaneous combustion. Responded to by Chemical No. 1. Loss on building, $80; insurance, $2,000; contents, $25; no insurance.

Aug. 13, 7.45 A. M. (Still.) Fire in house No. 250 Union street, owned and occupied by Dr. Webber. Cause, woodwork around chimney. Responded to by Chemical No. 1. Loss on building, $21; insurance, $8,150.

Aug. 6, 11.30 A. M. (Still.) Fire in house corner County and Lafrance court, owned and occupied by Albert Boucher. Cause, lightning. Loss on building, $63.30; insurance, $2,000.

Aug. 16, 11.30 A. M. (Still.) Fire in cotton shed owned and occupied by Potomska Mills Corporation. Cause lightning. Loss on contents, $50; insurance, $430,000, blanket policy.

Aug. 16, 11.30 A. M. (Still.) Fire in house on Davis street, owned and occupied by Florian Yaegar. Cause, lightning. Loss on building, $9.46; insurance, $2,000.

Aug. 21, 3.15 P. M. (Still.) Chimney fire in house No. 75 Grinnell street, owned and occupied by Mrs. C. A. Williams. Responded to by men from Station No. 6. No. loss.

Aug. 24, 6.45 P. M. Box 135. Fire in store and dwelling No. 221 Coggeshall street, owned by P. H. Driscoll and occupied by B. Goldman. Cause, accident in lighting gas. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on contents, $62.50; insurance, $1,000.

Aug. 25, 8.40 A. M. (Still.) Chimney fire in house on Elm street, owned and occupied by Mrs. M. P. Hitch. Responded to by Chemical No. 1.

Aug. 26, 3.45 P. M. Box 17. Fire in dwelling house No. 2 Maxfield street, owned by E. P. Haskins and occupied by G. Daignautt. Cause, burning clothing. Companies responding, Engines Nos. 1 and 5, Ladder No. 1, Chemical No. 1. No loss.

Aug. 27, 12.04 P. M. Box 123. Fire in dwelling corner Dean and North Front streets, owned by H. L. Dunham and unoccupied. Cause, boys set fire to shavings. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. No loss.

Aug. 28. (Still.) Fire in unoccupied dwelling in Plainville, owned by Reuben Eldridge. Cause, incendiary. Loss on building, $16; insurance $400.

Aug. 31, 8 P. M. (Still.) Chimney fire in dwelling house corner Kempton and Park streets, owned by John Vinal and occupied by George Felix. Responded to by men from Station No. 5.

Sept. 1, 1.45 P. M. Box 128. Fire in house No. 2 Clark street, owned and occupied by E. D. Patneaude. Cause, spark from chimney. Companies responding, Engines Nos. 1 and 7, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $15; insurance, $2,000.

Sept. 1, 2.35 P. M. (Still.) Brush fire near Clark Street school. Cause, hot ashes. Responded to by men from Engine No. 7. No loss.

Sept. 12, 8 P. M. (Still.) Fire in shavings, Hall's court. Responded to by Chemical No. 1. No loss.

Sept. 15. (Still.) Fire in dwelling No. 52 School street, owned and occupied by Roland Holcomb. Cause unknown. Loss on building, $7.30; insurance, $600.

Sept. 17. (Still.) Fire in dwelling house No. 28 Arnold street, owned and occupied by Mary L. Jennings. Cause, spark in waste basket. Loss on building, $10; insurance, $4,000; contents, $9; insurance, $2,000.

Sept. 18, 10.09 A. M. Box 26. Fire in planing mill, North Water street, owned and occupied by A. W. Allen. Cause, spark from chimney. Companies responding, Engines Nos. 1, 2 and 5, Ladder No. 1, Chemical No. 1. Loss on building, $64; insurance, $1,700; no loss on contents; insurance, $500.

Sept. 19. (Still.) Fire in dwelling house on Shawmut avenue, owned and occupied by Margaret Gleason. Cause, clothes near stove. Loss on building, $12; insurance, $600.

Sept. 26, 6.40 P. M. Boxes 31 and 34. Fire in building on Second street, owned by James E. Sisson and occupied by Sarah Young. Cause, lace curtain caught from lamp. Companies responding, Engines Nos. 1, 2, 4 and 8, Ladders Nos. 1 and 2, Hose, No. 2, Chemical No. 1. Loss on building $20; insurance, $3,000.

Oct. 2, 3 P. M. Box 7. Fire in dwelling on Purchase street, owned and occupied by John Ramsden. Companies responding, Engines Nos. 1 and 7, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $3; insurance, $1,600; contents, $26.45; insurance, $1,500.

Oct. 2, 4.25 P. M. (Still.) Fire in dwelling house southwest corner Sixth and Spring streets, owned and occupied by Mrs. Frank E. Ward. Cause, wooden ash-barrel. Responded to by men from Station No. 4. No loss.

Oct. 5, 10.30 A. M. Box 48. Chimney fire in dwelling house No. 663 South Water street, owned by C. R. Serpa and occupied by Frank Gracia. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. No loss.

Oct. 6, 1.49 P. M. Box 125. Fire in dwelling house No. 253 Cedar Grove street, owned and occupied by Mary M. Sullivan. Cause, children and matches. Companies responding, Engines Nos. 1 and 8; Ladder No. 2, Hose No. 2, Chemical 1. Loss on building $252; insurance, $2,000; contents, $250; insurance, $2,000.

Oct. 6, 5 P. M. Box 34. Fire in building corner Water and Union streets, owned and occupied by Taber-Prang Art Co. Cause, sparks from chimney. Companies responding, Engines Nos. 2 and 4, Ladder No. 1, Chemical No. 1. No loss.

Oct. 9, 1.58 A. M. Box 76. Fire in paper mill owned by John Hastings and occupied by N. B. Paper Co. Cause unknown. Companies responding, Engines Nos. 2, 4, 5 and 6, Ladders Nos. 1 and 3, Chemical No. 1. Loss on building, $2,460.98; insurance, $2,500; contents, $5,033; insurance, $10,000.

Oct. 9, 2.05 A. m. Box 76. Second alarm same fire. Responded to by Engines Nos. 1 and 7, Hose No. 2.

Oct. 9, 8 A. M. Box 124. Fire in dwelling house No. 246 Sawyer street, owned and occupied by Thomas Denton. Cause, oil stove. Companies responding, Engines Nos. 1 and 8; Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $75; insurance, $2,000.

Oct. 10, 4.50 P. M. Fire in hay and rubbish west side Crapo street, south of Rivet street. Responded to by men from Station No. 4. No loss.

Oct. 15. (Still.) Fire in house owned and occupied by John Edmondson. Cause, oil stove. Loss on building, $8.11; insurance, $2,500.

Oct. 16, 11.30 A. M. (Still.) Fire in woods, Myrtle street. Cause, bushes set by boys. Responded to by men from Station No. 7. No loss.

Oct 19, 7.20 A. M. (Still.) Chimney fire in house No. 90 Hawthorn street, owned and occupied by Gilbert Allen. Responded to by men from station No. 4. No loss.

Oct. 20, 9.55 P. M. (Still.) Fire in Adephi Rink, owned by C. O. Brightman and others and occupied by Food Fair. Cause, decorations caught from Chinese lanterns. Responded to by men from Station No. 5. No loss.

Oct. 21, 10.20 A. M. (Still.) Chimney fire in dwelling house on County street, owned and occupied by Frederick Grinnell. Responded to by men from Station No. 4. No loss.

Nov. 1, 8 P. M. (Still.) Fire in store No. 94 Purchase street, owned by estate George Hastings and occupied by Union Novelty Co. Cause, lamp exploded. Responded to by Chemical No. 1. No loss.

Nov. 1, 11.35 P. M. Box 52. Fire in store No. 113 Rivet street, owned and occupied by John Asordo. Responded to by Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. Loss on building, $180; insurance, $600; contents, $125; insurance, $200.

Nov. 4. (Still.) Chimney fire in dwelling house on Hawthorn street, owned and occupied by Walter Clifford. Responded to by men from Station No. 4. No loss.

Nov. 5, 11.25 P. M. Box 34. Fire in three-story frame building corner Front and Rodman streets, owned by Beetle & Kempton and occupied by Reliance Mfg. Co. Companies responding, Engines Nos. 2 and 4, Ladder No. 1, Chemical No. 1. Loss on building, $500; insurance, $650; contents, $5,042.87; insurance, $2,568.84.

Nov. 10, 6.30 P. M. (Still.) Fire in dwelling house No. 384 Pleasant street, owned by Wamsutta mills and occupied by John Valler. Cause, chimney. Responded to by men from Station No. 1. No loss.

Nov. 11, 5.15 P. M. (Still.) Fire in house No. 233 Fourth street, owned and occupied by Manuel Marshall. Responded to by men from Station No. 6. Loss on building $48.40; insurance, $800.

Nov. 13, 6 P. M. Box 56. Fire in market on Blackmer street, owned by Jane Vernon, and occupied by Cook & Wilkinson. Cause, lamp exploded. Responded to by Engine Nos. 4 and 6, Ladder No. 3, Chemical No. 1. Loss on building $180; insurance, $1,000; contents, $50. No insurance.

Nov. 17, 11 A. M. Box 35. Fire in dwelling house No. 35 Fifth street, owned and occupied by Mary C. Keeney. Cause, overheated furnace. Companies responding Engines Nos. 2 and 4, Ladder No. 1, Chemical No. 1. Loss on building $18.04; insurance, $2,000.

Nov. 19, 10.10 A. M. (Still.) Escaping steam, building on Union street, owned by Stephen Waite, and occupied by M. C. Swift & Son. Responded to by Chemical No. 1. No loss.

Nov. 20, 5.50 P. M. (Still.) Chimney fire, Acushnet blocks, occupied by Josephine Lampert. Responded to by men from Station No. 6. Loss on building, $15. Insurance, $1,500.

Nov. 23, 11.40 P. M. (Still.) Fire in store on Elm street, owned by Forbes estate, and occupied by Bohan & Peters. Cause, overheated furnace. Responded to by men from Central Station. Loss on contents, $5.67; insurance, $8,000. No loss on building. Insurance, $3,500.

Nov. 25, 5.09 A. M. Box 123. Fire in dwelling house No. 37 Coffin avenue. Owned by F. H. Portrais, and occupied by Paul Fanruft. Responded to by Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $40; insurance, $1,500; contents, $200.50; insurance, $1,000.

Nov. 27, 11.30 P. M. (Still.) Chimney fire in dwelling corner School and Seventh streets, owned by Leonard estate, and occupied by George Milliken. Responded to by Chemical No. 1. No loss.

Dec. 1, 5 P. M. Box 25. Fire in dwelling house on Mill street, owned and occupied by Charles O. Brightman. Cause, overheated furnace. Companies responding, Engines Nos. 2 and 5, Ladder No. 1, Chemical No. 1. Loss on contents, $73.50. Insurance, $1,000.

Dec. 1, 5.30 P. M. Box 223. Fire in dwelling house No. 219 Palmer street, owned by P. Cornell, and occupied by J. G. Barker. Cause, children and matches. Companies responding, Engines Nos. 5 and 7, Ladder No. 1, Chemical No. 1. Loss on building, $237.50; insurance, $1,500; contents, $80; insurance, $60.

Dec. 2, 1.10 A. M. Box 38, Fire in dwelling house No. 79 Bedford street, owned and occupied by Miss Agnes Wyse. Cause, gas stove. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. Loss on building, $94.53; insurance, $3,500; contents, $94.37; insurance, $4,300.

Dec. 2, 7.39 P. M. Box 135. Fire in dwelling house No. 307 Coggeshall street, owned by J. P. Hanson and occupied by J. P. Hanson and others. Cause, lamp. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $20; insurance, $2,000.

Dec. 6, 10.50 A. M. Box 123. Fire in building No. 226 Coffin avenue, owned by James Moorhouse and occupied by P. Morris and others. Cause, lamp. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No. 2, Chemical No. 1. Loss on building, $60; insurance, $2,500; contents, $17; insurance, $600.

Dec. 7, 9 A. M. (Still.) Fire in Wamsutta block, North Front street, owned by Wamsutta mills. Cause, boy and matches. Responded to by men from Weld Street station. Loss on building, $10.75; insurance, $2,500.

Dec. 9, 5.45 P. M. Box 56. House No. 635 South First street, owned and occupied by A. L. Gonneville. Cause, lamp. Companies responding, Engines Nos. 4 and 6, Ladder No. 3, Chemical No. 1. Loss on building, $35; insurance, $2,400; contents, $70; insurance, $700.

Dec. 16, 2.24 P. M. Box 24. Fire in dwelling No. 338 Kempton street, owned by P. P. Haskins estate and occupied by Dr. Knobb. Cause, burning meat. Companies responding, Engines Nos. 5 and 7, Ladder No. 1, Chemical No. 1. No loss.

Dec. 17, 4.30 P. m. (Still.) Chimney fire in dwelling house on Hawthorn street, owned and occupied by C. W. Plummer. No loss.

Dec. 18, 11.10 P. M. (Still.) Fire in dwelling house No. 180 Middle street, owned by Charles Waite, and occupied by Mrs. Dillingham. Loss on building, $115; insurance $3,000.

Dec. 20, 12.25 A. M. (Still.) Chimney fire No. 174 Middle street, owned and occupied by Mrs. Elizabeth Hathaway. Responded to by Chemical No. 1. No loss.

Dec. 22, 10.10 P. M. Box 135. Fire in house No. 308 Coggeshall street, owned and occupied by Theophide Lebeau. Cause, fire in rags. Companies responding, Engines Nos. 1 and 8, Ladder No. 2, Hose No.

2, Chemical No. 1. Loss on building, $5.50; insurance, $1,400; contents, $13.75; insurance, $500.

Dec. 23, 10.20 P. M. (Still.) Fire in dwelling house School and Sixth streets, owned and occupied by Dr. John Shaw. Cause, spontaneous combustion. Responded to by Chemical No. 1. No loss.

Dec. 24, 9.45 P. M. Box 27. Chimney fire in dwelling house No. 149 Middle street, owned and occupied by Dr. S. W. Hayes. Companies responding, Engines Nos. 2 and 4, Ladder No. 1, Chemical No. 1. No loss.

Dec. 25, 4 A. M. (Still.) Fire in store No. 37 Rivet street, owned by Antonio Sylvia, and occupied by Joseph Byron & Co. Cause, hot ashes. Responded to by men from Station No. 6. Loss on building, $15; insurance, $1,500; contents, $9; insurance, $600.

Dec. 26, 5.30 P. M. (Still.) Fire in dwelling house No. 761 Water street, owned by Mary P. Mednigo. Cause, falling candle. Loss on contents, $15; insurance, $1,100.

Dec. 29, 9 P. M. (Still.) Fire in dwelling house on Bedford street, owned and occupied by Charles T. Bonney. Cause, gas jet near curtain. Loss on contents, $15; insurance, $1,500.

Dec. 30, 5.30 P. M. (Still.) Fire in building No. 435 South Water street, owned and occupied by Manuel Enos. Cause, child and matches. Loss on building, $10; insurance, $4,000.

The following is the amount of losses by fire in this city for the past twenty-one years, together with amount of insurance on same:

Years.	Loss.	Insurance.
1877,	$26,063.66	$21,528.36
1878,	28,154.46	66,025.00
1879,	9,163.16	54,950.00
1880,	7,609.13	49,450.00
1881,	26,624.96	86,979.00
1882,	23,169.64	692,950.00
1883,	17,398.14	77,450.00
1884,	134,729.82	310,950.00
1885,	6,982.41	148,025.00
1886,	26,786.03	1,108,800.00
1887,	45,141.50	708,150.00
1888,	32,881.87	125,927.00
1889,	42,285.71	182,772.00
1890,	18,145.02	71,300.00
1891,	43,032.65	297,487.13
1892,	73,947.46	271,710.00
1893,	94,516.21	231,375.00
1894,	28,481.98	186,850.00
1895,	55,607.61	209,233.33
1896,	78,909.83	705,800.00
1897,	63,638.76	973,581.34

Fire Alarm Telegraph, 1897.

SUPERINTENDENT.

FREDERICK MACY, Chief Engineer.

ASSISTANT SUPERINTENDENT.

DANIEL D. BRIGGS,

Residence, 43 Bedford street. Office, City Hall.

LOCATION OF SIGNAL BOXES.

No.	
3.	Lund's Corner.
4.	Acushnet Heights, near reservoir.
116.	Hillman and Ash streets.
123.	Acushnet avenue and Davis street.
124.	Acushnet avenue and Sawyer street.
125.	Corner Bowditch and Weld streets.
126.	Cedar Grove and North Front streets.
127.	Purchase and Linden streets.
128.	County and Penniman streets.
129.	Purchase street and Coffin avenue.
134.	Belleville avenue and Nye street.
135.	Belleville avenue and Coggeshall street.
5.	Linden and Ashland streets.
6.	Hazard and State streets.
7.	Purchase and Franklin streets.
8.	County and Pearl streets,
9.	Wamsutta street and Acushnet avenue.
12.	Shawmut avenue and Durfee street.
13.	Cedar and Locust streets.
14.	Purchase and Willis streets.

15. Smith and Cedar streets.
16. County and Hillman streets.
17. Maxfield street and Acushnet avenue.
18. Purchase and North streets.
19. State and Sycamore streets.
21. North and Water streets.
23. Kempton, west of Florence street.
24. Kempton and Cedar streets.
25. County and Kempton streets.
26. Water and Middle streets.
27. Purchase street and Mechanics lane.
28. Court and Cedar streets.
29. Arnold and Ash streets.
31. Acushnet avenue and Union street.
32. Union and Eighth streets.
34. Union and Water streets.
35. Fourth and School streets.
36. Walnut and Water streets.
37. Madison and Orchard streets.
38. Bedford and Sixth streets.
39. Acushnet avenue and Cannon street.
41. Hawthorn and Page streets.
42. Allen and Page streets.
45. Allen and Bonney streets.
46. South Water and Leonard streets.
47. Junction of Sixth and County streets.
48. Water and South streets.
51. Dartmouth and Rockland streets.
52. Fourth street, head of Potomska.
53. Crapo and Rivet streets.
56. South Water and Rivet streets.
57. Mosher and County streets.
58. South Water and Cove streets.
223. Court and Tremont streets.
226. Rodman and Front streets.
227. New Bedford and Fairhaven Bridge.
*61. Union Street Railway Car Stables.
*62. Grinnell Mills.
*63. Wamsutta Mills.
*64. New Bedford Manufacturing Company.
*65. Hathaway, Soule & Harrington.
*67. New Bedford Cordage Factory.
*68. New Bedford Copper Works.
*71. Pairpoint Manufacturing Co.
*72. George Delano's Sons & Co.'s Works.

*73. Potomska Mills.
*74. Acushnet Mills.
*75. Morse Twist Drill Co.
*76. City Manufacturing Co.
*78. Dartmouth Mills.
*81. Howland Mills.
*82. Hathaway Mills.
*83. Rotch Mills.
*84. Iron Foundry, foot of Cannon street.
*85. New Bedford Gas Works.
*86. Old Colony Steamboat Co.
*91. Bennett Mills.
*92. New Bedford Casket Co.
*93. Pierce Mills.
*94. Old Colony Freight Depot, Pearl street.
*95. Bristol Mills.
*96. Columbia Mills.
*97. Whitman Mills,
581. City Almshouse.
583. Brock avenue, near Butler street.

*Private boxes.

Location of Reservoirs.

Durfee street, southeast corner of Shawmut avenue.
Linden street, northeast corner of Ashland.
Franklin street, southwest corner of State.
Willis street, northeast corner of State.
Campbell street, west side of Purchase.
Smith street, southeast corner of Cottage.
Pleasant street, between Maxfield and Sycamore.
County street, southeast corner of Maxfield.
Pleasant street, southwest corner of North.
Chestnut street, between Mill and North.
Mill street, southwest corner of Purchase
Middle street, near southeast corner of Purchase.
Middle street, west of grammar school.
County street, front of M. E. church.
North Second street, northwest corner of William.
City Hall square, west of hall.
Court street, near head of Orchard.
Union street, southwest corner of County.
School street, northwest corner of Fourth.
South Second street, northwest corner of Walnut.
South Sixth street, northwest corner of Walnut.
Orchard street, east side, below Hawthorn.
Russell street, between County and Sixth.
Acushnet avenue, southeast corner of Cannon.
Bedford street, southeast corner of Fifth.
South Sixth street, southwest corner of Wing.
Acushnet avenue, southeast corner of Grinnell.
Washington street, northeast corner of Crapo.

Location of Hydrants.

	Pressure in lbs.
Abbott street, northwest corner Ruth avenue	56
Acushnet avenue, west side, north of Tarkiln Hill road 3743.2 feet	35
Acushnet avenue, west side, north of Tarkiln Hill road 2986.7 feet	40
Acushnet avenue, west side, north of Tarkiln Hill road 2392.7 feet	44
Acushnet avenue, west side, north of Tarkiln Hill road 1783.3 feet	48
Acushnet avenue, west side, north of Tarkiln Hill road 1195.3 feet	52
Acushnet avenue, west side, 542 feet north of Tarkiln Hill road	54
Acushnet avenue, southwest corner Tarkiln Hill road	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet	53
Acushnet avenue, west side, north of Howard avenue 600 feet	53
Acushnet avenue, west side, north of Howard avenue 6 feet	54
Acushnet avenue, west side, south of Howard avenue 601 feet	55
Acushnet avenue, west side, north of Shaw 610 feet	51
Acushnet avenue, northwest corner of Shaw	47
Acushnet avenue, west side, north of Bellville road 603½ feet	45
Acushnet avenue, west side, head of Bellville road	42
Acushnet avenue, northwest corner of Nash road	40
Acushnet avenue, northwest corner of Hathaway avenue	40
Acushnet avenue, northwest corner of Davis	41
Acushnet avenue, southwest corner of Phillips avenue	39
Acushnet avenue, southwest corner of Dean	48
Acushnet avenue, west side, north of Sawyer 574½ feet	53
Acushnet avenue, southwest corner of Coggeshall	56
Acushnet avenue, southwest corner of Cedar Grove	54
Acushnet avenue, west side, south of Logan 335 feet	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double	62
Acushnet avenue, west side, north of Wamsutta 372 feet	60
Acushnet avenue, west side, south of Wamsutta 255 feet. Flush	63
Acushnet avenue, west side, at end of Wall street	62
Acushnet avenue, southeast corner of Pope. Flush	64
Acushnet avenue, northwest corner of Willis. Flush	61
Acushnet avenue, west side, south of Campbell 179 feet. Flush	59
Acushnet avenue, northwest corner of Maxfield. Flush	57
Acushnet avenue, northwest corner of Kempton. Flush	47
Acushnet avenue, northeast corner of Elm. Flush	47
Acushnet avenue, northwest corner of School	51
Acushnet avenue, northwest corner of Madison	57
Acushnet avenue, northwest corner of Russell	58

Acushnet avenue, northwest corner of Bedford 60
Acushnet avenue, west side, opposite Howland. Flush 61
Acushnet avenue, northwest corner of Potomska 50
Acushnet avenue, west side, north of Rivet 98 feet 59
Acushnet avenue, southwest corner of Blackmer. Flush 60
Adams street, south side, west of County 538.3 feet 33
Allen street, south side, 445 feet west of Rural 26
Allen street, southeast corner of Devoll 29
Allen street, southwest corner of Page 36
Allen street, north side, east of Page 159 feet. Flush 38
Allen street, northwest corner of Ward, Flush 41
Arch street, southwest corner of Union. Flush 24
Armour street, southwest corner of Union 24
Arnold street, south side, west of Orchard 96 feet 22
Arnold street, southwest corner of Chancery. Flush 33
Arnold street, southeast corner of Atlantic. Flush 32
Arnold street, south side, 15.3 feet west of James 24
Ash street, northwest corner of Middle 27
Ash street, southwest corner of Morgan. Double 25
Ash street, northwest corner of Arnold. Flush 32
Ash street, northwest corner of Maple. Flush 34
Ash street, northwest corner of Bedford 37
Ashland street, southwest corner of Clark 12
Ashley street, west side 138.1 feet south of Cove 60
Atlantic street, northwest corner of Maple 29
Atlantic street, southwest corner of Union 31
Austin street, southwest corner of Purchase 56
Austin street, southeast corner of State 42
Austin street, southwest corner of Ashland 15
Austin street, southeast corner of Cedar 19
Austin street, south side, on west line of Wilson 20
Austin street, southeast corner of Shawmut avenue 14
Babbitt street, south side, 207.5 feet west of Dartmouth 42
Babbitt street, southeast corner of Field 37
Bedford street, southwest corner of Fourth 53
Bedford street, southwest corner of Fifth 55
Bedford street, southwest corner of County 42
Bedford street, southwest corner of Orchard 33
Beech street, northwest corner of Kempton 18
Beetle street, southwest corner of Howard 55
Beetle street, southeast corner of Front 57
Belleville avenue, southwest corner of Washburn 61
Belleville avenue, west side, 118 feet north of Washburn 63
Belleville avenue, northwest corner of Cedar Grove 62
Belleville avenue, west side, 134 feet north of Coggeshall 62

Belleville avenue, northwest corner of Beetle 60
Belleville avenue, southwest corner of Plummer avenue 58
Belleville road, southwest corner of Diman 34
Belleville road, south side, east of Acushnet avenue 1,344 feet 40
Blackmer street, south side, east of Front 284 feet 59
Blackmer street, south side, east of Front 575 feet 60
Blackmer street, south side, east of Front 738 feet 60
Blackmer street, south side, east of Front 904 feet 60
Bolton road, west side, 370 feet north of Rivet 50
Bolton road, west side, north of Rotch Mill No. 2 49
Bolton road, west side, south of Rotch Mill No. 2 49
Bolton road, west side, south of Rivet 1027 feet 59
Bolton road, northwest corner of Poplar road 59
Bonney street, southwest corner of Allen 41
Bonney street, northwest corner of Grinnell 48
Bonney street, northwest corner of Rockland 54
Bonney street, southwest corner of Thompson 55
Borden street, northwest corner of Bedford 36
Borden street, southwest corner of Bay 42
Bowditch street, southwest corner of Weld 56
Bowditch street, west side, 313 feet south of Cedar Grove 55
Bowditch street, west side, north of Cedar Grove 244 feet 55
Bowditch street, northwest corner of Coggeshall 49
Bowditch street, southwest corner of Dean 42
Bowditch street, west side, 358 feet north of Coffin avenue 34
Bowditch street, southwest corner of Davis 29
Bowditch street, west side, north of Davis 175 feet 28
Bridge avenue, north side, 44 feet west of draw. Flush 62
Bridge avenue, south side, 11 feet west of draw. Flush 62
Brock avenue, southwest corner of David 45
Brock avenue, southwest corner of Woodlawn avenue 45
Brock avenue, southwest corner of Willard 44
Brock avenue, southwest corner, first street south of Norman 45
Brock avenue, west side, 1063 feet south of Butler 48
Brock avenue, west side, 2538.1 feet south of Butler 51
Brownell street, west side, 294 feet south of Union 22
Bullard street, southwest corner of Belleville avenue 60
Bullard street, southeast corner of Front 50
Bullard street, southeast corner of Bowditch 44
Bullock street, southwest corner of Trinity 14
Butler street, south side, 1635 feet east of Brock avenue. Flush . . 55
Butler street, south side, 287 feet east of Brock avenue. Flush . . . 40
Campbell street, southwest corner of Purchase 49
Campbell street, south side, east of County 163 feet. Flush 28
Campbell street, south side, 216.5 feet west of County 25

Campbell street, southwest corner of Cottage 19
Campbell street, south side, east of Shawmut ave. 205 feet. Flush . 18
Cannon street, south side, east of Second 164 feet 63
Cedar street, northwest corner of Elm. Double 25
Cedar street, southwest corner of Kempton. Flush 26
Cedar street, west side, north of Mill 75 feet. Flush 23
Cedar street, southwest corner of Hillman. Flush 23
Cedar street, northwest corner of Sycamore. Flush 21
Cedar street southwest corner of Campbell. Flush 18
Cedar street, southwest corner of Parker. Flush 19
Cedar Grove street, southeast corner of Front 60
Cedar Grove street, southeast corner of Howard 58
Cedar Grove street, south side, 383 feet west of Bowditch 57
Cedar Grove street, northwest corner of Purchase 56
Cedar Grove street, southwest corner of County 43
Cedar Grove street, south side, 183.5 feet west of County 40
Centre street, south side, east of Water 85 feet. Flush 56
Chancery street, southwest corner of Maple 34
Chancery street, west side, north of Arnold 406 feet 33
Chancery street, southwest corner of Elm 28
Chancery street, west side, south of Parker 176 feet 24
Chancery street, west side, north of Parker 650 feet 16
Cherry street, southeast corner of Seventh. Flush 38
Chestnut street, southwest corner of North. Flush 19
Chestnut street, west side, north of Campbell 96 feet. Flush 22
Chestnut street, southwest corner of Merrimac 16
Church street, southwest corner of Hathaway avenue 33
Church street, west side, 591.4 feet north of Coffin avenue 36
Clark street, southwest corner of State 46
Clark street, south side, west of County 218 feet 34
Clay street, northwest corner of Columbia 44
Cleveland avenue, west side, 681 feet south of Cove 54
Clinton street, south side, east of Orchard 125 feet. Flush 26
Clinton street, south side, west of Ash 242.5 feet 44
Coffin avenue, southwest corner of Church 40
Coffin avenue, south side, opposite Oneko lane 40
Coffin avenue, southeast corner of Bowditch 40
Coffin avenue, southeast corner of Front 50
Coffin avenue, southwest corner of Belleville avenue 59
Coffin avenue, northwest corner of Riverside avenue 56
Coffin avenue, south side, east of Riverside avenue 227 feet 56
Coffin avenue, north side, east of Riverside avenue 414 feet 56
Coffin street, north side, 262 feet east of Water 62
Coggeshall street, south side, 654 feet east of Mitchell 63
Coggeshall street, south side, 498 feet east of Mitchell 62

Coggeshall street, south side, 334 feet east of Mitchell 62
Coggeshall street, north side, 148 feet east of Mitchell 62
Coggeshall street, southeast corner of Belleville avenue 62
Coggeshall street, southwest corner of Front 61
Coggeshall street, southwest corner of Purchase 53
Coggeshall street, southeast corner of County 43
Coggeshall street, south side, 384 feet west of County 36
Collette street, south side, east of Acushnet avenue 275 feet 38
Collins street, southeast corner of Glover 15
Columbia street, southwest corner of Allen 40
Commercial street, north side, east of Front, 82 feet 62
Cottage road, south side, 435 feet west of Bolton road 55
Cottage street, southwest corner of Bay 43
Cottage street, northwest corner of Allen. Flush 42
Cottage street, northwest corner of Bedford. Flush 37
Cottage street, northwest corner of Hawthorn. Flush 31
Cottage street, southwest corner of Arnold. Flush 23
Cottage street, southwest corner of Union. Flush 22
Cottage street, southwest corner of Kempton 22
Cottage street, northwest corner of Hillman 20
Cottage street, northwest corner of Sycamore 20
Cottage street, northwest corner of Parker 23
Cottage street, west side, 237 feet north of Locust 20
Cottage street, west side, 92 feet south of Austin 17
Cottage street, southwest corner of Durfee 8
County street, southwest corner of Sawyer 44
County street, southeast corner of Penniman 44
County street, west side, 234½ feet south of Clark 43
County street, west side, 115 feet south of Weld 42
County street, southwest corner of Austin 33
County street, west side, head of School 23
County street, southwest corner of Madison 27
County street, southwest corner of Hawthorn 32
County street, northwest corner of Allen 45
County street, southwest corner of Grinnell 61
County street, northwest corner of South 62
County street, northwest corner of Winsor 57
County street, west side, 71 feet north of Division 54
County street, northwest corner of Cove road 62
Court street, southwest corner of Orchard 20
Court street, southeast corner of Cedar 20
Court street, northeast corner of Ash 20
Court street, southwest corner Emerson 25
Court street, south side, west from Park 304 feet. Flush 32
Court street, south side, head of Jenney 23

Court street, south side, east of Reed 300 feet 22
Cove road, southwest corner of West French avenue 58
Cove road, southwest corner of Shore street 61
Cove road, north side, 365 feet west of County 61
Cove street, southwest corner of Cleveland avenue 61
Cove street, southwest corner of Harrison avenue 61
Cove street, southwest corner of Salisbury 59
Cove street, southwest corner of Viall 59
Cove street, southwest corner of McGurk 59
Cove street, southwest corner West French avenue 57
Cove street, southeast corner Stapleton 55
Cove street, southeast corner of County 62
Crapo street, west side, south of Washington 343 feet. Flush. . . . 60
Crapo street, west side, south of Rockland 225 feet. Flush 63
Crapo street, west side, 160 feet south of Thompson 58
Dartmouth street, east side, southwest of Orchard 110 feet 46
Dartmouth street, east side, 125 feet south of Hickory 47
Dartmouth street, east side, 260 feet south of Rockland 45
Dartmouth street, east side, 99 feet south of Thompson 44
Dartmouth street, southeast corner of Larch 42
Dartmouth street, northeast corner of Dunbar 41
Davis street, southwest corner of Riverside avenue 56
Davis street, south side, 321.8 feet east of Front 50
Davis street, southwest corner of Front 46
Dean street, southwest corner of Belleville avenue 62
Dean street, southeast corner of Front 50
Delano street, southwest corner of Water 57
Delano street, southeast corner Acushnet avenue 57
Division street, southeast corner of Second 61
Division street, south side, 527 feet west of County 62
Division street south side, east of Crapo 6 feet 58
Dudley street, south side, 122 feet east of West French avenue . . . 60
Dudley street, south side, 607 feet west of Brock avenue 48
Durfee street, southwest corner of Cedar 15
Durfee street, southwest corner of Bullock 17
Durfee street, southwest corner of Shawmut avenue 12
Durfee street, south side, 186.6 feet west of Shawmut avenue 14
Earle street, south side, 180.7 feet east of Acushnet avenue 43
East French avenue, west side, 807.2 feet south of Cove 62
East French avenue, northwest corner of Abbott 61
Edwards street, south side, 90 feet east of Field 35
Elm street, southwest corner of Purchase 43
Elm street, southwest corner of Pleasant 37
Elm street, southwest corner of Eighth 21
Elm street, southwest corner of Summer. Flush 18

Elm street south side, 43.5 feet west of Florence 26
Elm street, southeast corner Palmer 14
Emerson street, west side, 173.8 feet north of Arnold 29
Field street, northwest corner of Stowell 37
Fifth street, southwest corner of Union 41
Fifth street, southwest corner of School 45
Fifth street, west side, south of Madison 245 feet. Flush. 50
Fifth street, northwest corner of Wing 59
Fifth street, northwest corner of Grinnell. Flush 61
First street, southwest corner of Spring. Flush 58
First street, west side, south of School 109 feet. Flush 57
First street, west side, south of Howland 185 feet. Flush 65
First street, northwest corner of Potomska 59
Florence street, southwest corner of Hillman 24
Florence street, northwest corner of Mill 24
Florence street, west side, 199.6 feet south of Kempton 27
Florence street, southwest corner of Morgan 29
Forest street, south side, west of County 90 feet. Flush 53
Foster street, southwest corner of High 30
Fourth street, southwest corner of Union. Flush 46
Fourth street, west side, north of School 106 feet. Flush 46
Fourth street, west side, south of Madison 210 feet. Flush 54
Fourth street, east side, opposite Washington 57
Fourth street, northwest corner of Rockland. Flush 62
Fourth street, west side, south of Potomska 61 feet 58
Franklin street, southwest corner of Pleasant. Flush 43
Franklin street, southwest corner of State 38
Front street, southwest corner of Holly 56
Front street, west side, south of Washburn 319 feet. Flush 62
Front street, southwest corner of Logan 60
Front street, west side, 190.2 feet south of Logan 62
Front street, west side, south of Logan, 383 feet 63
Front street, west side, 235.2 feet north of Wamsutta 63
Front street, southeast corner of Wamsutta 63
Front street, southwest corner of Middle 62
Front street, southwest corner of Hazard's lane. Flush 61
Front street, northwest corner of Rodman 61
Front street, southwest corner of Centre. Flush 61
Front street, west side, south of Commercial 86 feet. Flush 63
Front street, northwest corner lane head of Merrill's wharf. Flush . 65
Front street, west side, south of Howland 268 feet 61
Front street, southwest corner of Grinnell 62
Front street, west side, south of South 330 feet 62
Front street, west side, 191 feet north of Blackmer 59
Front street, west side, north of Delano 191 feet 62

Front street, west side, south of Delano 200 feet 57
Fruit street, south side, east of Hemlock 126.5 feet 53
Fruit street, south side, 25.5 feet west of Mulberry 46
Gifford street, south side, 274 feet east of Water 65
Gifford street, south side, 167.8 feet west of Harbor 60
Gifford street, south side, 299.3 feet east of Harbor 62
Grand street, south side, 750 feet west of Shawmut avenue 14
Granfield street, west side, 263 feet north of Coggeshall 59
Grape street, south side, west of Lewis 131 feet 36
Grape street, southwest corner of Small 35
Grape street, southwest corner of Devoll 29
Griffin street, southwest corner of Second. Flush 62
Grinnell street, south side, west of Acushnet avenue 76 feet. Flush . 60
Grinnell street, south side, east of Crapo 103 feet. Flush 58
Grinnell street, southwest corner of Orchard 50
Grove street, southwest corner of Anthony 26
Harbor street, east side, 195 feet north of Cove 60
Harbor street, east side, 372 feet north of Cove 60
Harbor street, east side, 540 feet north of Cove 60
Harbor street, east side, 195.8 feet south of Gifford 61
Harbor street, southeast corner of Gifford 61
Harmony street, southwest corner of Social 59
Harrison street, southwest corner of Hickory 48
Hathaway avenue, south side, 144 feet east of Acushnet avenue . . . 41
Hathaway avenue, south side, 308.9 feet east of Church 32
Hawthorn street, southeast corner of Page. Flush. 28
Hawthorn street, south side, east of Tremont 147 feet 28
Hawthorn street, southwest corner of Brigham 26
Hawthorn street, south side, 301 feet west of Brigham 24
Hazard street, south side, west of State 140 feet. Flush 36
Hazard street, southwest corner of Pleasant. Flush 46
Hemlock street, west side, 231 feet south of Rockland 50
Hicks street, south side, east of Acushnet avenue 276 feet 56
High street, south side, east of Acushnet avenue 43 feet. Flush . . 48
High street, southwest corner of Purchase 42
High street, south side, east of County 177 feet. Flush 23
Highland street, west side, 418.4 feet north of Durfee 12
Hillman street, southwest corner of Second. Flush 57
Hillman street, southwest corner of Purchase 45
Hillman street, southwest corner of Pleasant 35
Hillman street, head of State 27
Hillman street, head of Thomas 23
Hillman street, southwest corner of Chancery 29
Hillman street, southeast corner Rockdale avenue 13
Holly street, southwest corner of Belleville avenue 61

Holly street, southwest corner of Bowditch 48
Holly street, southeast corner of Brook 47
Hollyhock street, south side, 318.6 feet east of Field 42
Homer street, southwest corner of Locust 18
Howard avenue, south side, 364 feet east of Acushnet avenue 52
Howland street, northeast corner of Second. Flush 63
Howland street, south side, 19.2 feet west of Prospect 60
Hunter street, southwest corner of Hillman 20
Independent street, south side, 480 feet west of County 57
Independent street, southeast corner of Crapo 56
Irving court, north end of court. Flush 25
James street, west side, 107 feet north of Arnold 24
James street, southwest corner of Court 24
Jouvette street, south side, west of County 372 feet 59
Katharine street, southeast corner of Crapo 58
Katharine street, south side, 442 feet west of County 57
Kempton street, southwest corner of Pleasant 36
Kempton street, south side, opposite Hill 23
Kempton street, southwest corner of County 15
Kempton street, southwest corner Summer 14
Kempton street, southwest corner of Emerson. Flush 26
Kempton street, southwest corner Park. Flush 28
Kempton street, southwest corner of Liberty. Flush 29
Kempton street, southeast corner of Jenney. Flush 26
Kempton street, south side, west of Hunter 50 feet 21
Kempton street, southwest corner of Francis 14
Kilburn street, north side, east of Front 244 feet 62
Kilburn street, north side, east of Front 581 feet 64
Larch street, south side, 120 feet east of Mulberry 45
Larch street, south side, 129 feet east of Hemlock 51
Liberty street, west side, south of Kempton 339 feet. Flush 30
Lincoln street, west side, south of Union 171 feet. Flush 23
Linden street, south side, west of State 13½ feet 43
Linden street, south side, west of County 169 feet 34
Linden street, south side, 67½ feet west of Reynolds 24
Linden street, south side, 6½ feet east of Ashland 14
Lindsey street, west side, 173 feet south of Kempton 27
Lindsey street, northwest corner of Morgan 24
Locust street, southwest corner County 19
Locust street, southwest corner Chestnut 23
Locust street, southeast corner of Richmond 15
Logan street, south side, east of Acushnet avenue 400 feet. Flush . 62
Logan street, southwest corner of Acushnet avenue. Flush 63
Lombard street, west side, 209½ feet south of Rockland 50
Madison street, southwest corner of First. Flush 61

Madison street, southwest corner of Sixth 41
Maitland street, southwest corner of Cedar 19
Maitland street, south side, 101 feet west of Richmond 16
Maxfield street, southwest corner of Second 58
Maxfield street, southwest corner of Purchase 46
Maxfield street, southwest corner of Pleasant 38
Maxfield street, southwest corner of Foster 33
Maxfield street, southwest corner of County 22
Maxfield street, southwest corner Chestnut 15
Maxfield street, southeast corner of Spruce. Flush 21
Maxfield street, southeast corner of Ash 22
Maxfield street, south side, 44.4 feet east of Chancery 27
McGurk street, west side, 348 feet north of Brock avenue 55
Mechanics lane, northwest corner of Purchase 42
Mechanics lane, north side, east of Eighth 206 feet. Flush 30
Merrimac street, southwest corner of State 41
Merrimac street, southwest corner Summer 19
Middle street, southwest corner of Second 52
Middle street, southwest corner of Acushnet avenue 46
Middle street, southwest corner of Purchase 42
Middle street, southwest corner of Pleasant 35
Middle street, southwest corner of Sixth 30
Middle street, southwest corner County 20
Middle street, south side, east of Cedar 371 feet. Flush 32
Middle street, southeast corner of Chancery. Flush 29
Mill street, northwest corner of Purchase 43
Mill street, south side, west of Hill 191 feet. Flush 25
Mill street, south side, west of Ash 45 feet. Flush 25
Mill street, south side, 104 feet east of Park 25
Mill street, southeast corner of Newton 26
Mill street, south side, 138 feet west of Hunter 18
Mill street, south side, 97.9 feet west of Beech 14
Mitchell street, northwest corner of Coggeshall 61
Mitchell street, west side, 178.8 feet north of Coggeshall 63
Mitchell street, west side, 345 feet south of Sawyer 61
Mitchell street, southwest corner of Sawyer 61
Moorland Terrace, southwest corner of Ash 33
Morgan street, southwest corner County 20
Morgan street, southwest corner of Cottage. Flush 33
Morton's court, west side, 385.3 feet north of Cove 59
Mosher street, south side, west of County 517 feet 59
Mosher street, southeast corner of Crapo 55
Mt. Pleasant street, west side south of Tarkiln Hill road 35 feet . . .
Mt. Pleasant street, west side, north of Nash road 1,671 feet . . . .
Mt. Pleasant street, west side, north of Nash road 348 feet . . . . .

Mt. Pleasant street, west side north of railroad fence 285 feet . . . .
Mt. Pleasant street, west side, south of Hathaway road 40 feet . . .
Mt. Pleasant street, west side, north of Peckham-West Cemetery 277 feet . . . . . .
Mt. Pleasant street, west side, south of Peckham-West Cemetery 74 feet . . . . . .
Mt. Pleasant street, west side, north of reservoir 837 feet . . . . . .
Mt. Pleasant street, west side, north of reservoir 450 feet . . . . . .
Mt. Pleasant street, west side, north of reservoir 40 feet . . . . . .
Mt. Pleasant street, west side, south of Peckham 217 feet . . . . . .
Mt. Vernon street, southwest corner of Mt. Pleasant 5
Mt. Vernon street, southeast corner of Vine. Flush 5
Myrtle street, west side, 22 feet south of Weld 23
Myrtle street, southwest corner of Clark 18
Nelson street, south side, 541.6 feet west of County 60
Newton street, northwest corner of Elm 29
North street, southeast corner of Second 54
North street, southwest corner of Acushnet avenue 49
North street, southwest corner of Purchase 44
North street, northwest corner of Pleasant 35
North street, southwest corner of Foster 30
North street, southwest corner of Hill 26
North street, southwest corner of County 20
North street, southwest corner of Park 29
North street, south side, 258 feet west of Newton 24
North street, southwest corner of Hunter 22
North street, southwest corner of Beech 17
Nye street, southwest corner of Belleville avenue 60
Nye street, southwest corner of Front 54
Nye street, south side, west of Acushnet avenue 204 feet 42
Oak street, southwest corner of Harrison 45
Oak street, northwest corner of Grape 41
Oak street, southwest corner of Allen 38
Ocean street, west side, 184½ feet south of Arnold 32
Orchard street, southwest corner of Madison 27
Orchard street, southwest corner of Grove 34
Orchard street, west side, north of Rockland 98 feet 48
Page street, west side, 429½ feet south of Hawthorn 36
Palmer street, northwest corner of Union 20
Park place, south side, west of Sixth 306 feet. Flush 32
Park street, west side, 27.1 feet south of Maxfield 24
Park street, southwest corner of Hillman 25
Park street, west side, south of Kempton 339 feet 27
Park street, northwest corner of Court 28
Park street, west side, north of Arnold 263 feet 34

Parker street, south side, at Oak Grove cemetery 25
Parker street, southwest corner of Sumner. Flush 27
Parker street, southwest corner of County 21
Pearl street, southwest corner of Pleasant 41
Pearl street, southwest corner of Purchase 50
Phillips avenue, southwest corner of Riverside avenue 56
Pierce street, west side, 253.7 feet north of Court 30
Pine street, northwest corner of Cross. Flush 65
Plainville road, south side, east of Shawmut avenue 705 feet . . . .
Plainville road, south side, east of Shawmut avenue 1,139 feet . . .
Plainville road, south side, east of Shawmut avenue 2,317 feet . . .
Plainville road, south side, east of Shawmut avenue 3,113 feet . . .
Plainville road, south side, east of Shawmut avenue 3,920 feet . . .
Pleasant street, northwest corner of Market 40
Pleasant street, west side, north of William 21½ feet 40
Pleasant street, east side, foot of Sycamore 39
Pleasant street, northwest corner of Pope. Flush 42
Pleasant street, northwest corner of Austin. Flush 47
Pleasant street, southwest corner of Linden. Flush 48
Pleasant street, southwest corner of Weld 48
Plummer avenue, southwest corner of Riverside avenue 56
Plummer avenue, south side, 177 feet east of Belleville avenue . . . 58
Pope street, south side, opposite North Oak 27
Pope street, southwest corner of Summer 20
Poplar road, south side, 431 feet west of Bolton road 52
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street 64
Prospect street, west side, 275.2 feet north of Grinnell 61
Prospect street, northwest corner of Grinnell 63
Prospect street, west side, north of Potomska 324½ feet 62
Prospect street, northwest corner of Potomska 63
Purchase street, northwest corner of Dean 43
Purchase street, west side, opposite Oneko Mill 48
Purchase street, east side, opposite Clark 58
Purchase street, west side, opposite Logan. Flush 58
Purchase street, northwest corner of Merrimac. Double 51
Purchase street, northwest corner of Pope. Flush 52
Purchase street, west side, 348 feet south of Campbell 48
Purchase street, northwest corner of Union. Flush 43
Purchase avenue, northeast corner of Purchase 42
Reed street, west side, 145 feet north of Court 19
Reed street, southwest corner of Elm 14
Reed street, southwest corner of Middle 14
Reynolds street, southwest corner of Weld 26

Reynolds street, west side, 17.9 feet south of Clark 29
Rivet street, southwest corner of Second. Flush 62
Rivet street, southwest corner of County 59
Rivet street, southwest corner of Bonney 59
Rivet street, southeast corner of Bolton road 56
Rivet street, southwest corner of Hemlock 51
Robeson street, southwest corner of County 20
Robeson street, southwest corner of Ashland 15
Robeson street, southeast corner of Cottage 19
Robeson street, southeast corner of Cedar 21
Robeson street, south side, 424 feet west of Cedar 17
Rockdale avenue, southwest corner of Bolton road 57
Rockdale avenue, south side, 327 feet west of Bolton road 54
Rockland street, southwest corner of County 58
Rockland street, southeast corner of Hall 56
Rockland street, south side, 13 feet west of Orchard 54
Rockland street, south side, 179.3 feet east of Hemlock 51
Rockland street, southwest corner of Lombard 50
Rotch street, west side, south of Union 213.7 feet 23
Rounds street, northwest corner of Elm 22
Rural street, southwest corner of Allen 28
Russell street, south side, east of Fifth 92 feet. Flush 54
Russell street, southwest corner of Sixth 47
Russell street, south side, 179 feet west of Sixth 42
Salisbury street, west side, 598 feet south of Cove 53
Sand street, northwest corner Grit 58
Sawyer street, southwest corner of Bowditch 53
Sawyer street, southwest corner of Acushnet avenue 59
Sawyer street, southeast corner Belleville avenue 65
Sawyer street, south side, 418.8 feet east of Mitchell 64
Sawyer street, north side, 750 feet east of Belleville avenue 63
School street, southwest corner of Sixth 37
Scott street, south side, 325 feet west of County 59
Second street, northwest corner of Mill. Flush 55
Second street, west side, south of Elm, 52 feet 52
Second street, west side, south of Spring 74 feet. Flush 55
Second street, northwest corner of Coffin. Flush 61
Second street, west side, at head of Morgan's lane 60
Second street, west side, north of Grinnell 61 feet. Flush 63
Second street, west side, north of Potomska 232 feet 61
Second street west side, south of Potomska, 122 feet. 63
Second street, west side, 188 feet south of Blackmer 59
Seventh street, southwest corner of Union 31
Seventh street, west side, north of Madison, 50 feet Flush 36
Shawmut avenue, southwest corner of Willis 18

Shawmut avenue, southwest corner of Parker 18
Shawmut avenue, west side, head of Locust 17
Shawmut avenue, southwest corner of Robeson 14
Shawmut avenue, west side, north of Austin, 195 feet 13
Shawmut avenue, west side, 497 feet north of Durfee 12
Shawmut avenue, southwest corner of Grand 11
Shawmut avenue, west side, 203 feet north of Grand 11
Shawmut avenue, northwest corner of Plainville road . . . . . .
Sherman street, south side, west of County 314 feet. Flush 51
Shore street, west side, 264 feet south of Cove road 61
Short street, west side, 321 feet south of Allen 34
Sisson street, northwest corner of Union 25
Sixth street, west side, north of Grinnell 194 feet 60
Smith street, southwest corner of County 28
Smith street, southwest corner of Chestnut. Double 22
Smith street, southeast corner of Spruce. Double 20
Smith street, southeast corner of Shawmut avenue. Flush 22
Smith street, south side, east of Park 5 feet 29
South street, southwest corner of Acushnet avenue 57
South street, southwest corner of Second 59
South street, southwest corner of First 59
South street, southwest corner of Water 63
South street, southwest corner of Prospect 61
Spring street, southeast corner of Acushnet avenue 51
Spring street, southeast corner of Fifth. Flush 42
Spring street, southwest corner of Seventh 27
State street, southwest corner of Sycamore 31
State street, southwest corner of Pearl. Flush 34
Stone street, west side, 208.6 feet south of Allen 38
Summer street, northwest corner of North. Flush 16
Summer street, northwest corner of Hillman. Flush 16
Summer street, southwest corner of Willis. Flush 26
Sycamore street, southwest corner of Thomas. Flush 30
Sycamore street, southwest corner of Summer. Flush 24
Sycamore street, southwest corner of Chancery 25
Tallman street, south side, west of Acushnet avenue 421.9 feet . . . 47
Tallman street, southwest corner of Belleville avenue 61
Thompson street, southeast corner of Bourne 44
Thompson street, southwest corner of Hemlock 50
Thompson street, south side, 99.6 feet east of Hemlock 52
Thompson street, south side, 302 feet west of Bonney 55
Thompson street, south side, 20 feet east of Hall 58
Thompson street, southwest corner of County 59
Tinkham street, south side, 239.2 feet east of Acushnet avenue . . . 41
Tremont street, southwest corner of Union 26

Tremont street, northwest corner of Maple 29
Trinity street, south side, 145 feet west of Cedar 19
Union street, southwest corner of Front 63
Union street, southwest corner of Water 57
Union street, southwest corner of First 56
Union street, southwest corner of Second 52
Union street, southwest corner of Acushnet avenue 48
Union street, southwest corner of Sixth 38
Union street, southwest corner of County 22
Union street, southeast corner of Emerson 28
Union street, southeast corner of Ocean 28
Union street, south side, west of James 61 feet 21
Viall street, west side, 576.1 feet south of Cove 55
Vine street, west side, north of Durfee 215 feet 6
Walden street, southwest corner of Maxfield. Flush 31
Wall street, south side, east of Acushnet avenue 165 feet. Flush . . 62
Walnut street, northwest corner of Front 61
Walnut street, southwest corner of Second. Flush 57
Walnut street, southwest corner of Fourth 48
Walnut street, southwest corner of Seventh 38
Wamsutta street, south side, west of Front 200 feet 65
Wamsutta street, south side, west of Front 372 feet 65
Wamsutta street, south side, east of Acushnet ave., 285 ft. Double . 64
Ward street, southwest corner of Bay 44
Warren street, southwest corner of Brock avenue 53
Washburn street, southeast corner of Acushnet avenue 59
Washburn street, south side, west of North Front 228 feet 59
Washington street, southwest corner of County 57
Washington street, southwest corner of Crapo 56
Washington street, south side, west of Orchard 102 feet. Flush . . 50
Washington street, southeast corner of Dartmouth. Flush 46
Water street, southwest corner of Hillman. Flush 65
Water street, southwest corner of North 64
Water street, west side, south of North 258 feet. Flush 63
Water street, northwest corner of Middle. Double 62
Water street, southwest corner of Elm. Flush 60
Water street, west side, north of Centre 46 feet. Flush 50
Water street, west side, north of School 22 feet. Flush 60
Water street, northwest corner of Walnut. Flush 61
Water street, northwest corner of City wharf. Flush 62
Water street, northwest corner of Coffin. Flush 64
Water street, west side, head of Pine 67
Water street, west side, head of Leonard 62
Water street, southwest corner of Howland 60
Water street, northwest corner of Grinnell 60

Water street, northwest corner of Potomska 63
Water street, west side, 266 feet south of Potomska 63
Water street, northwest corner of Rivet 63
Water street, southwest corner of Blackmer 63
Water street, northwest corner of Delano 62
Water street, west side, head of Gifford 62
Weld street, southeast corner of Mt. Pleasant 7
Weld street, southwest corner of State 43
William street, southwest corner of Bethel 51
William street, southwest corner of Second 48
William street, southeast corner of Acushnet avenue 47
William street, southwest corner of Purchase 43
William street, southwest corner of Sixth 38
William street, southwest corner of Eighth 37
Willis street, southwest corner of Purchase 50
Willis street, southeast corner of Pleasant 41
Willis street, southwest corner of State 28
Willis street, southwest corner of County 26
Willis street, southwest corner of Cottage 19
Willis street, south side, west of Cedar 200 feet. Flush 18
Willow street, southwest corner of Cottage 15
Willow street, southeast corner of Shawmut avenue 13
Wing street, southwest corner of Fourth. Flush 57
Wing street, southwest corner of Sixth 57
Winsor street, south side, west of County 455½ feet 58
Winsor street, south side, 77½ feet east of Crapo 60

Number of flush hydrants 134
Number of post hydrants 559

Total number of hydrants 693

In Board of Aldermen,

Feb. 24, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

WM. S. COOK, Asst. City Clerk.

In Common Council,

2 mo., 24, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898—CITY DOCUMENT No. 6.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEW BEDFORD,

TOGETHER WITH THE

Superintendent's Annual Report,

FOR THE YEAR 1897.

NEW BEDFORD:
1898.

In School Committee.

December 30, 1897.

Voted, That the Secretary prepare the Annual Report of the School Board for the year 1897, and that 2,500 copies of the same be printed.

Report of the Secretary.

By direction of the School Committee, I submit to our fellow citizens the following report for the year 1897 :

STATISTICS.

I. POPULATION AND VALUATION.

The population of the city (census of 1890) was	40,705
The population of the city (census of 1895) was	55,251
Estimated population of the city (Dec. 1897)	62,000
Valuation of taxable property (1897),	$58,171,798
School houses and lots,	$806,356
Other school property,	$60,000

II. APPROPRIATION.

Rate of taxation,	$16.20
Amount for school purposes, not including new buildings,	$181,249.63
Ratio of ordinary expenses of day schools to whole tax, (exclusive of payments on city debt and interest on the same, also of appropriations to library),	.24+

III. SCHOOL CENSUS.

School census, May, 1896 (children between five and fifteen years of age),	10,055
School census, May, 1897 (children between five and fifteen years of age),	11,439
Increase as shown by the returns,	1,384

SCHOOL CENSUS BY WARDS.

	1896.	1897.	
Ward One,	2,584	3,242	658 increase.
Ward Two,	1,549	1,592	43 increase.
Ward Three,	746	865	119 increase.
Ward Four,	892	963	71 increase.
Ward Five,	1,432	1,516	84 increase.
Ward Six,	2,852	3,261	409 increase.

LOCATION OF CHILDREN BETWEEN FIVE AND FIFTEEN YEARS OF AGE, AS TO SCHOOL ATTENDANCE, AS REPORTED BY THE CENSUS ENUMERATORS.

	Attending Public Schools.	Attending Private Schools.	Attending no Schools.
Ward One,	1,408	1,127	707
Ward Two,	715	649	228
Ward Three,	649	153	63
Ward Four,	771	47	145
Ward Five,	1,068	205	243
Ward Six,	1,945	745	571
	6,556	2,926	1,957

Children reported as attending no school are presumably those who are between five and seven years of age, and those over fourteen who have completed their school requirements.

REMARKS ON THE SCHOOL CENSUS.

I stated in my report last year that I was convinced that the census for that year was wrong. One or more of the enumerators had either been very careless in his work or had deliberately neglected it. The returns last year showed less children in the city between the ages of five and fifteen years of age than in 1895. This I knew could not be so, for the school enrollment showed a marked increase.

Therefore, this year steps were taken to secure greater accuracy in the enumeration. The returns this year

prove that the census of 1896 was short from 500 to 700 children. The increase this year as reported by the census-takers was 1,384. The actual increase of children in the city of the ages enumerated was probably about 700; this would correspond quite closely to the increased enrollment in all the schools of the city.

The statutes of the State require the school census to be taken each year in the month of May. It costs several hundred dollars to take it. Unless it is well done, the statistics are of slight value, cause confusion, and the money spent in securing them is wasted. The enumerators selected to take the census, therefore, should be not only intelligent persons but thoroughly reliable.

IV. SCHOOL ORGANIZATION.

High School,	1
Normal and Training school for teachers,	1
Grammer schools,	5
Primary schools,	13
Country schools,	5
Mill schools,	2

V. SCHOOL BUILDINGS.

Occupied by the schools,	25

ROOMS USED FOR SCHOOL PURPOSES (DAY SCHOOLS) INCLUDING HALLS AND RECITATION ROOMS.

High,	17
Normal and Training,	10
Grammar,	47
Primary,	99
Mill,	4
Country,	10
Manual Training,	1
Cooking,	1
Rooms unoccupied,	3
Total,	192
Rooms used for both day and evening schools,	34
Rooms used for evening drawing school,	3

VI. SEATS.

	Seats Occupied.	Seats Unoccupied.
High school,	394	25
Grammer schools,	1860	203
Primary schools,	4323	410
Normal and Training school,	350	20
Mill schools,	143	21
Country schools,	246	68
Total,	7,316	747

VII. TEACHERS.

Whole number in service, Dec. 24, 1897:	
High school,	15
Normal and Training school: Regular teachers,	7
average number of pupil teachers under pay,	7
Grammer schools,	47
Primary schools,	101
Kindergartens,	6
Country schools,	9
Mill schools,	4
Special teachers,	7
Temporary assistants,	1
Evening schools,	68
Total,	272

VIII. PUPILS.

DAY SCHOOLS—1897.

Whole number of pupils enrolled of all ages,	8,671
Average number of pupils belonging,	7,081
Average daily attendance,	6,600
Per cent. of attendance,	93.2
Number of half-days absence,	173,014
Number cases of tardiness,	12,361
Number cases of dismissal,	29,276
Number cases of truancy reported by teachers,	272
Number cases of corporal punishment,	1,056
Number cases of suspension,	13
Half-days absence of teachers,	749
Number cases of tardiness by teachers,	116
Number visits made the schools by the Superintendent,	530
Number visits made the schools by the School Committee,	568
Number visits made the schools by parents and others,	4,402

EVENING SCHOOLS—1897.

Whole number pupils enrolled,	1,849
Average number belonging,	1,140
Average nightly attendance,	940
Per cent. of attendance,	82.4
Total nights absence,	7,548
Number cases of tardiness,	430
Number visits by Superintendent,	24
Number visits by School Committee,	136

EVENING DRAWING SCHOOL—1897.

Whole number pupils enrolled,	107
Average number belonging,	41
Average nightly attendance,	31
Per cent. of attendance,	75.5

PUBLIC SCHOOLS.

	1897.	1896.	
Enrollment of pupils,	8,671	8,298	increase 373
Average number belonging,	7,081	6,526	" 555
Average daily attendance,	6,600	6,099	" 501
Per cent. of attendance,	93.2	93.4	decrease .2
Number cases tardiness,	12,361	14,572	" 2,211
Number cases dismissal,	29,276	30,016	" 740

PRIVATE AND PAROCHIAL SCHOOLS.

	1897.	1896.	
Enrollment of pupils,	4,074	3,635	increase 439
Average number belonging,	3,430	3,058	" 372
Average daily attendance	3,142	2,897	" 245
Per cent. of daily attendance,	91.5	94.7	decrease 3.2

PUBLIC, PRIVATE AND PAROCHIAL SCHOOLS.

	1897.	1896.	
Enrollment of pupils,	12,745	11,933	increase 812
Average number belonging,	10,511	9,584	" 927
Average daily attendance,	9,742	8,996	" 746
Per cent. of daily attendance,	92.6	93.8	decrease 1.2

COST OF INSTRUCTION PER SCHOLAR BY SCHOOLS.

In this connection, the cost of instruction per scholar is based upon the average number belonging to each school during the year, and the amount expended for the hire of

teachers, fuel, care of schoolhouses, books and supplies, (except those furnished from the income of the Sylvia Ann Howland fund and Dog fund, the term, "care of schoolhouses" including only the salaries of janitors.

Elsewhere in the report is given the cost, by departments, of each pupil, based on the average number belonging and the total amount expended for the maintenance of each department during the year. This last computation furnishes the basis upon which tuition of non-residents will be collected.

TABLE I. The cost of maintenance of a pupil in the High School for the year has been $54.21.

Grammar Department:	
Fifth Street,	$22.52
Middle Street,	23.34
Parker Street,	22.48
Phillips Avenue,	14.13
Thompson Street,	16.73
Harrington Normal and Training School,	24.18
Primary Department:	
Acushnet Avenue,	15.03
I. W. Benjamin,	13.64
Cedar Street,	16.78
Cedar Grove Street,	14.35
Clark Street,	12.78
Cannonville,	16.39
Dartmouth Street,	16.50
Geo. H. Dunbar, (part of year),	11.99
Thos. A. Greene,	16.24
Sylvia Ann Howland,	19.84
Merrimac Street,	14.61
Phillips Avenue,	9.92
Mary B. White,	18.64
Ungraded Schools:	
Acushnet,	28.49
Clark's Point,	25.62
North,	25.02

Rockdale,	25.77
Plainville,	35.06
North Mill,	27.02
South Mill,	15.62
Evening Schools:	
Cedar Grove Street,	2.29
Fifth Street,	2.39
Parker Street,	2.97
Phillips Avenue,	2.05
Thompson Street,	2.10
Evening Drawing,	10.00

The average cost of a	
Grammar school pupil was	20.81
Primary school pupil was	14.75
Ungraded school pupil was	27.16
Mill school pupil was	19.96
Elementary evening school pupil was	2.79
Evening drawing school pupil was	10.00
Day school pupil was	19.42

TABLE II. The average cost per pupil by departments, based on the average number belonging and the total expenditures for each department, not including the expenditures from Howland fund or Dog fund, was as follows:

High school,	$64.78
Harrington Normal and Training school,	29.40
Grammar schools,	25.49
Primary schools,	18.96
Ungraded schools,	34.62
Evening elementary schools,	3.83
Evening drawing school,	14.42
Average cost of a day school pupil,	24.03
Average cost of an evening school pupil, including drawing school,	4.19

RECEIPTS AND EXPENDITURES FOR 1897.

RECEIPTS.

General and special appropriations as follows:	
For teachers' salaries,	$122,800.00

Incidentals (including salaries of officers and janitors, books, supplies, etc.),	49,000.00
Repairs of buildings,	15,000.00
Phillips Avenue school furnishings (special),	2,500.00
Geo. H. Dunbar school furnishings (special),	2,300.00
Kindergartens (special),	1,800.00

EXPENDITURES (FOR ELEVEN MONTHS).

For teachers' salaries:		
Day schools,	$109,569.34	
Evening schools,	3,077.00	$112,646.34
For incidentals:		
Salaries of officers, including truant officers, messenger, and clerk at High School,	5,547.16	
Salaries of janitors day and evening schools,	14,254.05	
Books and supplies,	7,895.15	
Heating apparatus,	1,862.41	
Lighting schools,	1,258.11	
Fuel for schools,	7,821.55	
Cooking school,	182.10	
Manual Training school,	305.47	
Miscellaneous, (including rent of School Committee rooms and other rooms used for school purposes, janitors' supplies, school furniture, etc.),	8,201.94	
Repairs of buildings,	14,974.74	
Phillips Avenue school (special),	2,500.00	
Geo. H. Dunbar school, (special),	2,247.32	
Kindergartens, (special),	1,553.29	68,603.29
		$181,249.63

Summary:	
Receipts,	$193,400.00
Expenditures,	181,249.63
Balance,	$12,150.37

DOG FUND.

Balance, Jan. 1, 1897.	$2,287.58
Received, Feb. ,1897,	1,322.78
	$3,610.36
Expenditures for 1897.	932.05
Balance,	$2,678.31

RECEIVED.

From non-resident pupils,	$969.89
Sale of books and supplies,	52.78
Sale of stoves, carpet, black-board and junk,	30.98
	$1,053.65

The above receipts have been turned into the City Treasury, and credited to unappropriated funds.

EXPENDITURES BY DEPARTMENTS.

High School:

Salaries,	$15,171.50	
Text books,	1,125.63	
Stationery,	989.03	
Janitors' salaries,	1,119.25	
Fuel,	677.50	
Ordinary repairs,	1,170.61	
Proportion of ordinary expenses,	1,352.19	$21,605.71
Books and supplies from income of Howland Fund,		176.05

Harrington Normal and Training School:

Salaries,	$6,267.87	
Text-books,	280.93	
Stationery,	141.30	
Janitors' salaries,	722.88	
Ordinary repairs,	980.00	
Proportion of ordinary expenses,	1,303.38	9,696.36
Books and supplies from income of Howland Fund,		295.95

Grammar Schools:

Salaries,	$30,124.62	
Text-books,	1,995.59	
Stationery,	804.43	
Janitors' salaries,	2,663.67	
Fuel,	1,349.76	
Ordinary repairs,	2,562.39	
Proportion of ordinary expenses,	3,036.74	44,501.20
Books and supplies from income of Howland Fund,		1,063.03

Primary Schools:

Salaries,	$49,194.29
Text-books,	993.32
Stationery,	891.34
Janitors' salaries,	6,911.76

Fuel,	4,337.57	
Ordinary repairs,	8,914.85	
Proportion of ordinary expenses,	8,380.65	$79,623.78
Books and supplies from income of Howland Fund,		1,178.95

Ungraded Schools:

Salaries,	$7,371.06	
Text-Books,	264.44	
Stationery,	105.90	
Janitors' salaries,	977.22	
Fuel,	432.13	
Ordinary repairs,	1,233.37	
Proportion of ordinary expenses,	1,629.25	12,013.37
Books and supplies from income of Howland Fund,		144.72

Manual Training (Sloyd) School:

Salary,	$1,260.00	
Supplies,	338.69	
Proportion of ordinary expenses,	185.00	1,783.69
Books and supplies from income of Howland Fund,		30.00

Cooking School:

Salary,	$540.00	
Supplies,	213.98	
Proportion of ordinary expenses,	185.00	938.98

Evening Elementary Schools:

Salaries,	$2, 725.00	
Text-books,	141.26	
Stationery,	35.12	
Janitors' salaries,	285.50	
Lighting,	707.75	
Proportion of ordinary expenses,	466.10	4,360.73

Evening Drawing School:

Salaries,	$352.00	
Stationery,	14.76	
Janitors' salaries,	43.50	
Lighting,	120.52	
Proportion of ordinary expenses,	60.65	591.43

SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand, Jan. 1, 1897,	$631.15
Interest for the year,	3,000.00
Received from sale of supplies,	39.49
	$3,670.64
Expenditures for the year,	3,259.92
Balance Jan. 1, 1898,	$410.72
Cost of books and supplies during 1897,	$3,259.92
Cost of books and supplies in stock Jan. 1, 1897,	130.60
	$3,390.52
Cost of books and supplies charged to schools, 1897,	$3,232.61
Cost of books and supplies in stock Jan. 1, 1898,	118.05
Cash receipts from sale of supplies,	39.49
	$3,390.52

Disbursements to the several schools, and otherwise, are as follows:

High school,	$176.05
Fifth Street Grammar school,	203.66
Middle Street Grammar school,	163.38
Parker Street Grammar school,	132.39
Phillips Avenue school,	315.03
Thompson Street Grammar school,	248.57
Harrington Normal and Training school,	295.95
Acushnet Avenue Primary school,	34.93
I. W. Benjamin Primary school,	142.92
Cedar Grove Street Primary school,	266.44
Cedar Street Primary school,	100.32
Clark Street Primary school,	60.86
Cannonville Primary school,	9.03
Dartmouth Street Primary school,	60.81
George H. Dunbar Primary school,	173.79
Thomas A. Greene Primary school,	155.09
Sylvia Ann Howland Primary school,	40.46
Merrimac Street Primary school,	22.95
Mary B. White Primary school,	111.17
Acushnet school,	37.47
Clark's Point school,	18.44

North school,	87.00
Plainville school,	1.81
Rockdale school,	8.04
North Mill school,	2.81
South Mill school,	.73
Manual Training school,	30.00
Care pianos and organs,	274.00
Pedagogical library,	9.58
Miscellaneous supplies,	26.38
Sewing supplies,	22.74
Cash sales,	39.49
Stock on hand Jan. 1, 1898,	118.05
	$3,390.52

DETAILED STATEMENT.

Outlay of the School Committee from the income of the Sylvia Ann Howland fund, from Jan. 1, 1897, to Dec. 4, 1897:

BOOKS AND PERIODICALS.

The American Book Co.,	$432.10
Appleton, D. & Co.,	7.38
Boston School Supply Co.,	95.27
Castor, T. H. & Co.,	6.88
Clarke, W. B. & Co.,	5.00
Educational Publishing Co.,	43.74
Ginn and Company,	427.08
Hutchinson, H. S. & Co.,	125.28
Hammett, J. L. Co.,	28.98
Houghton, Mifflin & Co.,	190.68
Heath, D. C. & Co.,	45.83
Harper Brothers,	10.20
Hough, Romeyn B.,	35.00
Hooper, H. E.,	66.60
Leach, Shewell & Sanborn,	18.41
Lee & Shepard,	70.09
The Macmillan Co.,	12.56
The Morse Co.,	32.40
Mason, Perry & Co.,	12.06
The Munson Phonographic Co.,	2.25
The Prang Educational Co.,	8.18

Putnam Sons, G. P.	3.75	
Silver Burdett & Co.,	108.58	
Scribner's Sons, Charles	19.24	
Taber, R. W.	51.50	
Thompson, Brown & Co.,	3.00	
University Publishing Co.,	20.00	
Werner School Book Co.	38.99	$1,921.03
PEDAGOGICAL LIBRARY.		
Clarke, W. B. & Co.,	$5.40	
Hammett, J. L. Co.,	1.80	
The Macmillan Co.,	1.44	
Scribner's Sons, Charles	.94	9.58
MUSIC DEPARTMENT.		
Boden, E. Jr.,	$10.00	
Ditson, O. & Co.,	3.00	
Ginn and Company,	201.25	
Haynes, John C. & Co.,	7.20	
Peirce, George	399.00	
Scribner's Sons, Charles	1.50	621.95
BINDING AND COVERING BOOKS.		
Briggs & Lawrence,	$2.10	
Collins, Williston H. & Co.,	63.12	
Holden, Pat. Book Cover Co.,	156.43	221.65
PRIMARY DEPARTMENT.		
Dennison Manufacturing Co.,	$14.80	
Hutchinson, H. S. & Co.,	.75	
Hammett, J. L. Co.,	1.76	
Perry, Geo. S. & Co.,	150.72	168.03
APPARATUS.		
Almy, James T.	$12.50	
Hammett, J. L. Co.,	25.50	
Hillman, Washburn Co.,	1.50	
Jones, Winthrop B.	25.00	
Ritchie, E. S. & Sons.,	2.75	
Richards, Geo. D.,	10.47	
Thompson, A. T. & Co.,	50.00	127.72
SEWING DEPARTMENT.		
Donovan, M. E.,	$11.90	
Haskell & Tripp.,	9.23	
Health, D. C. & Co.,	.83	
Taber, Prang Art Co.,	.60	
Taber R. W.	.18	22.74

MISCELLANEOUS.

American Book Co.,	$ .41	
Appleton, D. & Co.,	.41	
Caproni, P. P. & Bro.,	10.00	
Dennison Manufacturing Co.,	.06	
Drury, E. M.	6.20	
Ginn & Co.,	.35	
Hammett, J. L. Co.,	127.50	
Heath, D. C. & Co.,	.17	
Lee & Shepard,	.16	
The Macmillan Co.,	.22	
The Munson Phonographic Co.,	.12	
The Prang Educational Co.,	8.13	
Perry, E. M.	12.56	
Scribner's Sons, Charles	.53	
Taber, Robert W.	.40	167.22
		$3259.92

TEXT BOOKS AND SUPPLIES.

STATEMENT.

Cost of books and supplies purchased during 1897,	$7,895.15
Cost of books and supplies in stock, Jan. 1, 1897,	2,282.51
	$10,177.66
Cost of books and supplies charged to schools in 1897,	$7,785.31
Cost of books and supplies in stock, Jan. 1, 1898,	2,339.57
Cash receipts from the sale of books and supplies,	52.78
	$10,177.66

The cost in detail of books and supplies furnished the several schools for the year 1897 is as follows:

	Supplies.	Books.	Total.
High school,	$989.03	$1,120.63	$2,109.66
Fifth Street Grammar school,	191.35	380.06	571.41
Middle Street Grammar school,	149.48	377.92	527.40
Parker Street Grammar school,	248.08	542.95	791.03
Thompson Street Grammar school,	153.68	441.52	595.20
Phillips Avenue school.	136.84	353.14	489.98
Acushnet Avenue Primary school,	56.34	108.92	165.26
I. W. Benjamin Primary school,	130.52	140.97	271.49

Cedar Street Primary school,	80.25	92.13	172.38
Cedar Grove Street Primary school,	114.40	59.39	173.79
Clark Street Primary school,	74.43	87.32	161.75
Cannonville Primary school,	18.67	23.33	42.00
Dartmouth Street Primary school,	73.58	66.89	140.47
George H. Dunbar Primary school,	42.65	120.60	163.25
Thomas A. Greene Primary school,	80.57	70.78	151.35
Sylvia Ann Howland Primary school,	45.59	40.79	86.38
Merrimac Street Primary school,	53.13	43.65	96.78
Mary B. White Primary school,	21.21	38.55	59.76
Harrington Normal and Training school,	141.30	280.93	422.23
North Mill school,	10.89	32.56	43.45
South Mill school,	5.13	42.52	47.65
Acushnet school,	23.68	61.70	85.38
Clark's Point school,	17.73	42.03	59.76
North school,	23.68	35.69	59.37
Plainville school,	6.22	18.32	24.54
Rockdale school,	18.57	31.62	50.19
Cedar Grove Street Evening school,	7.92	42.42	50.34
Parker Street Evening school,	7.20	21.07	28.27
Phillips Avenue Evening school,	6.19	18.80	24.99
Fifth Street Evening school,	3.23	15.62	18.85
Thompson Street Evening school,	10.58	43.35	53.93
Evening Drawing school,	14.76		14.76
Cooking school,	11.88		11.88
Manual Training school,	13.22		13.22
Sewing Department,	1.09		1.09
Office,	6.07		6.07
TOTAL,	$2,988.68	$4,796.63	$7,785.31

The average cost per pupil in the different departments of the schools, for text-books and supplies for eleven months, has been as follows:

High school,	$6.16
Harrington Normal and Training school,	1.24
Grammar schools,	1.55
Primary schools,	.44
Country schools,	1.21
Mill schools,	.62
Average for day schools,	1.06
Average for evening schools,	.15
Average for evening drawing school,	.36

These figures do not show the actual cost per pupil for text-books and supplies, but the expenditure per pupil from amount raised by taxation. All music books, musical instruments, supplementary readers, reference books, and certain kinds of apparatus are purchased from the income of the Sylvia Ann Howland fund. The actual cost per pupil for text-books and supplies used in instruction, would, therefore, be the above figures, increased by the amount per pupil expended from the income of the trust fund.

AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

HIGH SCHOOL.

Senior.		Sub-Senior.		Junior.		Sub-Junior.		Average Age.	
Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
18	4	17	5	16	4	15	7	16	11

GRAMMAR DEPARTMENT.

School.	Fifth Year.		Sixth Year.		Seventh Year.		Eighth Year.		Ninth Year.		Average Age.	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
Fifth street,	11	8	12	4	13	2	13	8	14	1		
Middle street,	11	8	12	7	13	4	13	10	14	7		
Parker street,	11	8	12	7	12	10	13	10	14	8		
Thompson street,	11	10	12	7	12	11						
Phillips avenue,	12	10	12	11	13	2						
Harrington Normal and Training,	11	6	11	11								
Average age by grades,	11	$10\frac{1}{3}$	12	$5\frac{5}{6}$	13	1	13	$9\frac{1}{3}$	14	$5\frac{1}{3}$	13	$1\frac{7}{30}$

AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

PRIMARY DEPARTMENT.

School.	First Year.		Second Year.		Third Year.		Fourth Year.		Average Age.	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
Acushnet avenue,	7	4	8	10	10	1	11	2		
I. W. Benjamin,	6	8	8	2	10	3	10	9		
Cedar Grove street,	7	7	9	5	10	10	11	7		
Cedar street,	6	4	7	8	9	6	10	$2\frac{1}{2}$		
Clark street,	6	11	9	2	10	1	10	11		
Cannonville,	6	8	8	5	9	1	10	5		
Dartmouth street,	6	7	8	2	8	9	9	10		
George H. Dunbar,	7	6	8	10	10	6	11	3		
Thomas A. Greene,	7	6	8	10	9	6	10	10		
Sylvia Ann Howland,	6	9	8	3	9	5	10	7		
Harrington Normal and Training,	5	9	7	8	8	6	10	6		
Merrimac street,	7	3	8	8	10	1	11	3		
Phillips avenue,	6	9	9	6	10	4	11	6		
Mary B. White,	6	6	7	10	9	7	10	6		
Average age by grades,	6	$10\frac{5}{14}$	8	$6\frac{5}{14}$	9	9	10	10	9	

UNGRADED SCHOOLS.

School.	Grammar Department.		Primary Department.		Average Age	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
Acushnet,	12	5	8	8		
Clark's Point,	12	6	7	6		
North,	12	0	10	0		
Plainville,	12	0	7	0		
Rockdale,	12	1	7	7		
North Mill,	14	0	14	0		
South Mill,	14	0	14	0		
Average age by departments,	12	$8\frac{4}{7}$	9	$9\frac{6}{7}$	11	$3\frac{3}{14}$

PER CENT. OF PROMOTIONS IN THE PUBLIC SCHOOLS.

NAME OF SCHOOL.	1st. Year.	2nd. Year.	3d. Year.	4th. Year.	5th. Year.	6th. Year.	7th. Year.	8th. Year.	9th. Year.	Sub-Junior Class.	Junior Class.	Sub-Senior Class.	Senior Class.
High,										82.8	85.2	92.5	97.8
Fifth Street Grammar,					94.4	86.6	92.6	91.	83.				
Middle Street Grammar,					83.9	89.6	86.4	82.4	81.				
Parker Street Grammar,					86.5	87.1	95.5	85.7	88.4				
Thompson Street Grammar,					85.4	81.3	83.7						
Phillips Avenue,	50.	100.			95.6	97.7	85.6						
Harrington Normal and Training,	61.7	78.9	94.8	83.6	70.	85.3							
Acushnet Avenue Primary,	52.7	88.2	90.6	100.									
I. W. Benjamin Primary,	57.3	82.3	80.7	83.9									
Cedar Grove Street Primary,	70.3	88.	77.4	81.3									
Clark Street Primary,	72.3	80.4	80.9	88.									
Cedar Street Primary,	61.8	75.	83.7	93.5									
Cannonville Primary,	40.9	86.2	87.5	80.									
Dartmouth Street Primary,	62.	66.	84.7	96.1									
T. A. Greene Primary,	41.5	89.	87.8	77.9									
S. A. Howland Primary,	60.8	88.	92.8	84.									
Merrimac Street Primary,	41.	82.9	64.4	87.5									
Mary B. White Primary,	89.5	89.6	84.5	95.3									

DEPARTMENT OF PUBLIC SCHOOLS.

REPORT FOR YEAR BEGINNING JANUARY 11, 1897, ENDING DECEMBER 23, 1897.

NAME OF SCHOOL.	Total enrollment for year.		Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	No. cases of truancy.	No. cases of corporal punishment.	Half days teacher was absent.	Times teacher was tardy.	No. visits by Superintend't.	No. visits by members of committee.	No. visits by parents and others.	Suspensions.
	Boys.	Girls.														
The High.	176	284	342	332	96.8	2,106	1,030	304			9	19	15	20	30	
Harrington Training.	192	188	340	318	93.5	8,744	771	245		54	66	7	19	38	1,162	
Fifth Street Grammar.	249	275	401	379	94.5	8,662	944	1,194	9	33	26	13	68	80	567	
Middle Street Grammar.	238	250	381	362	94.5	8,215	1,003	1,096	23	95	45	13	43	45	414	2
Parker Street Grammar.	328	299	491	477	97.2	5,566	608	593	8	12	4	8	48	61	720	
Thompson Street Grammar.	216	219	345	324	94.0	8,178	231	290	21	54	157	6	35	28	285	2
Phillips Avenue Grammar.	116	104	161	155	96.2	1,807	174	82		10		1	23	27	70	
	1,147	1,147	1,779	1,697	95.3	32,428	2,960	3,255	61	204	232	41	217	241	2,056	4
Acushnet Avenue Primary.	257	269	466	427	91.5	15,234	910	1,571	20	73	5	4	12	18	38	
I. W. Benjamin Primary.	476	444	714	667	93.0	18,508	669	10,066	28	68	68	4	28	18	118	
Cedar Grove Street Primary.	417	390	646	596	92.3	17,530	481	7,776	46	128	43	4	35	85	125	
Cedar Street Primary.	150	172	263	242	92.6	7,554	650	324	9	32	89	4	35	29	106	
Clark Street Primary.	245	214	420	387	92.0	9,370	821	253	12	72	52	3	35	33	99	
Cannonville Primary.	41	42	77	71	92.7	2,124	227	70		14			4	4	30	
Dartmouth Street Primary.	147	152	332	304	91.0	10,498	422	760	31	89	35		19	5	127	
George H. Dunbar Primary.	159	108	244	227	93.0	2,329	115	42	7	13	2	1	16	10	10	
Thomas A. Greene Primary.	197	190	336	310	92.2	9,973	1,145	521	12	74	24	18	18	11	96	

Sylvia Ann Howland.	126	114	165	149	90.5	7,291	352	253	10	64	23		13	7	112	
Merrimac Street.	152	114	264	235	89.1	10,009	393	2,108	6	12	24	2	23	8	44	
Phillips Avenue.	92	84	154	147	95.4	1,430	155	618	5	12			16	16	10	
Mary B. White.	97	87	162	150	92.9	4,215	254	242	4	67	26	3	7	16	170	
	2,556	2,380	4,243	3,912	92.1	116,065	6,594	24,604	190	718	391	43	261	260	1,085	
North Mill.	66	64	56	51	90.8	1,954	177	48	8	10	56	2	8	9		
South Mill.	134	75	91	84	92.1	2,745	134	92	13	50	17		7	5	63	
	200	139	147	135	91.8	4,699	311	140	21	60	73	2	15	14	63	
Acushnet School.	42	45	80	70	87.8	3,796	286	48	1	12	6		3	8	25	
Clark's Point.	32	17	42	39	92.9	1,091	87	552		2	4				42	
North School.	34	26	52	48	92.0	1,903	172	28			2	2	2	2	8	
Plainville.	8	11	16	14	87.5	462	51	33		3	3	2	1	2	3	
Rockdale.	20	27	40	35	88.1	1,720	99	67		3	23	1	1	1	3	
	136	126	230	206	89.5	8,972	695	728	1	20	38	5	7	13	81	
		8,671														
GRAND TOTALS, 1897	4,407	4,264	7,081	6,600	93.2	173,014	12,361	29,276	273	1,056	809	117	534	586	4,477	4
1896	4,162	4,136	6,526	6,099	93.5	168,622	14,572	30,016	262	880	1,313	173	626	462	4,402	13
	+245	+128	+555	+501	− 3	+4,392	−2211	−740	+11	+176	−504	−56	−92	+124	+75	−9

DEPARTMENT OF PUBLIC SCHOOLS.

MANUAL TRAINING SCHOOL. REPORT FOR YEAR BEGINNING JANUARY 11, 1897, ENDING DECEMBER 23, 1897.

Name of Teacher.	Total enrollment for month.	Average No. belonging	Average daily attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	No. visits by Superintn't.	No. visits by members of committee.
	Boys.								
Edwin R. King.	652	378	355	93.9	322	56	28	6	16

DEPARTMENT OF PUBLIC SCHOOLS.

COOKING SCHOOL. REPORT FOR YEAR BEGINNING JANUARY 11, 1897, ENDING DECEMBER 23, 1897.

Name of Teacher.	Total enrollment for month.	Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	Half days teacher was absent.	No. visits by superintn't.	No. visits by members of committee.
	Girls.									
S. Agnes Donham,	486	277	256	92.4	398	76	11	1	5	8

DEPARTMENT OF PUBLIC SCHOOLS.

KINDERGARTENS. REPORT FOR TERM BEGINNING SEPTEMBER 7, 1897, ENDING DECEMBER 23, 1897.

NAME OF SCHOOL.	Total enrollment for term		Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	Half days teacher was absent.	Times teacher was tardy.	No. visits by superinten't.	No. visits by members committee.	No. visits by parents and others.
	Boys.	Girls.											
Cedar Grove Street Kindergarten.	33	29	53	47	87.6	714	31	4	4		1	9	40
Harington School Kindergarten.	20	21	38	34	90.1	247	23	1		3	1	3	72
South Kindergarten.	36	43	55	52	93.9	517	76			1	2	1	92
TOTAL.	89	93	146	133	91.0	1478	130	5	4	4	4	13	204
	182												

DEPARTMENT OF PUBLIC SCHOOLS.

EVENING SCHOOLS. REPORT FOR YEAR BEGINNING JANUARY 11, 1897, ENDING DECEMBER 23, 1897.

NAME OF SCHOOL.	Total enrollment for year.		Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	Half days teacher was absent.	Times teacher was tardy.	No. visits by superinten't.	No. visits by members committee.	No. visits by parents and others.
	Boys.	Girls.											
FIRST TERM.													
Cedar Grove Street.	169	165	268	211	78.6	918	33			1		18	
Parker Street.	35	31	55	45	72.2	206	32						
Merrimac Street.	110	51	135	110	81.8	19							
Fifth Street.	189	107	222	185	81.8	649				4			
Thompson Street.	174	110	239	193	80.7	798	87		1				
January to March, 1897. Total.	677	464	919	744	80.9	2590	152		1	5		18	
	1141												
SECOND TERM.													
Cedar Grove Street.	280	177	394	340	86.2	1340	27			2	11	71	
Parker Street.	213	88	206	165	80.4	773	62				4	20	3
Phillips Avenue.	168	27	144	126	87.5	325	78	3	4		1	4	3
Fifth Street.	210	117	287	243	84.3	952			2	3	8	16	
Thompson Street.	383	186	330	262	79.5	1568	111		3			7	
September to December 1897. Total.	1254	595	1361	1136	83.4	4958	278	3	9	5	24	118	6
	1849												
GRAND TOTALS 1897.	1931	1059	1140	940	82.4	7548	430	3	10	10	24	136	6
	2990												
GRAND TOTALS. 1896.	1517	868	1159	937	80.8	8911	447	15	3	11	19	117	10
	2385												

DEPARTMENT OF PUBLIC SCHOOLS.

EVENING DRAWING SCHOOL. REPORT FOR YEAR BEGINNING JANUARY 11, 1897, ENDING DECEMBER 23, 1897.

	Total enrollment for year.						
	Boys.	Girls.	Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Total evenings absence.	Evenings teacher was absent.
	107						
Year 1897.	89	18	41	31	75.5	372	2
	126						
Year 1896.	102	24	58	44	76.		

PAROCHIAL AND PRIVATE SCHOOLS.

REPORT FOR YEAR BEGINNING JANUARY 11, 1897, ENDING DECEMBER 23, 1897.

NAME OF SCHOOL	Total enrollment for year.		Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Under 5 years.	Between 5 and 8 years.	Between 8 and 14 years.	Between 14 and 15 years.	Between 15 and 16 years.	Over 16 years.
	Boys.	Girls.									
St. Joseph's Parochial.	411	442	711	657	92.4		346	254	53	33	25
St. Mary's Parochial.	280	313	500	450	90		237	247	13	3	
St. Mary's Home.	38	37	67	67	100		22	42	2	1	
Sacred Heart Parochial.	390	429	709	678	95.6	5	275	527	6	3	3
Guardian Angel.	153	170	283	235	83	39	180	104			
French.	212	189	360	328	91.1		75	316	10		
St. Hyacinth.	268	291	427	394	92		113	293	15	4	2
Mr. C. E. E. Mosher's.	36	26	44	41	94			16	6	7	33
Aimwell School.	13	19	18	16	92.6		7	13	2	1	
Miss Leonard's.	15	6	18	15	83.3		8	13			
Miss Bonney's.	11	8	13	11	84.6	11	8				
Miss Gardner's.	29	17	41	36	87.8	14	7	10			
Mrs. E. E. Waite's.	19	33	45	40	89.	6	22	24			
Business University.	84	62	135	120	88.8	3	14	6	9	7	107
The Friends' Academy.	21	52	59	54	92.			36	8	12	7
	4074										
GRAND TOTALS.	1980	2094	3430	3142	91.5	78	1314	1901	124	71	177

NEW BEDFORD PUBLIC SCHOOLS.

RATES OF TUITION FOR NON-RESIDENT PUPILS, 1898.

	First Term.	Second Term.	Third Term.	For the Year.
High school,	$19.44	$19.44	$25.90	$64.78
Grammar schools,	7.65	7.65	10.19	25.49
Primary schools,	5.68	5.68	7.60	18.96
Harrington Normal and Training school,	8.82	8.82	11.76	29.40
Ungraded schools,	10.39	10.39	13.84	34.62
Evening Drawing school,	4.33	4.33	5.76	14.42

DEPARTMENT OF PUBLIC SCHOOLS.

BRIEF DESCRIPTION OF THE SCHOOLHOUSES, WITH THEIR ACCOMMODATIONS AND CONDITIONS.

	Schools.	Named For.	Material.	Number of Stories.	Number of School Rooms.	No. of Recitation Rooms.	No. of Assembly Halls.	Number of Seats.	Year Completed.	Condition.
1	Acushnet.	Avenue.	Brick.	2	10			490	1878	Good.
2	Acushnet.	Location.	Wood.	2	3			114	1855	Good.
3	I. W. Benjamin.	Isaac W. Benjamin.	Brick.	3	12			587	1891	Good.
4	Cedar.	Street.	Wood.	2	6			294		Good.
5	Cedar Grove.	Street.	Brick.	3	15			657	1883	Good.
6	Clark.	Street.	Brick.	2	8			392	1897	Good.
7	Cannonville.	Location.	Wood.	2	2			89	1853	Fair.
8	Clark's Point.	Location.	Wood.	1	1			46		Poor.
9	Dartmouth.	Street.	Wood.	2	8			343	1855	Good.
10	George H. Dunbar.	George H. Dunbar.	Brick.	2	8			294	1897	New.
11	Fifth.	Street.	Brick.	3	10		1	490	1860	Good.
12	Thomas A. Greene.	Thomas A. Greene.	Brick.	2	10			398	1894	Good.
13	High.	Grades.	Brick.	3	10	4	1	419	1876	Good.
14	Harrington Memorial.	Henry F. Harrington.	Brick.	3	8		1	370	1889	Good.
15	Sylvia Ann Howland.	Sylvia Ann Howland.	Brick.	3	7			245	1893	Good.
16	Linden.	Street.	Wood.	2	4			147		Old.
17	Middle.	Street.	Brick.	3	9		1	423		Good.
18	Merrimac.	Street.	Brick.	2	6			279	1857	Good.
19	North.	Location.	Wood.	1	2			72	1852	Good.
20	Parker.	Street.	Brick.	3	12		1	568	1852	Good.
21	Phillips.	Avenue.	Brick.	2	8			388	1897	New.
22	Plainville.	Location.	Wood.	1	1			23		Fair.
23	Rockdale.	Location.	Wood.	1	2			59	1855	Fair.
24	Thompson.	Street.	Brick.	3	10			388	1885	Good.
25	Mary B. White.	Mary B. White.	Brick.	2	4			195	1881	Good.
26	Brock.	Avenue.	Brick.	2	8					Under constr.

THE EXPENDITURES.

As shown above, the amount expended on the schools for the fiscal year of 1897 was $181,249.63. This sum included the special appropriation for kindergartens $1,553,29; and $4,747.32, special appropriations for furnishing the two new schoolhouses completed during the year. The average cost for a day-school pupil was $24.03, and for an evening-school pupil it was $4.19. The cost of a day-school pupil was $1.84 per pupil less than for 1896, and for an evening-school pupil $0.68 less. But this decrease is apparent only and not real. It is due to the change in the fiscal year which was ordered by the City Council, making the fiscal year close December 1 instead of January 1. The expenditures represent, therefore, the cost of the schools for eleven months instead of the usual twelve, and this should be considered in making comparisons with the cost of other years. Had the cost been computed for twelve months, as usual, the expense per pupil would not have differed much from that of the preceding year.

It is a very difficult matter to make just comparisons between the cost of schools in different municipalities. I have studied with care the reports of many cities, and I have come to that conclusion. In computing the cost per pupil on the base of total expenditures and the average number of pupils belonging in the schools, I include everything that is expended by the School Board from money appropriated by the City Council for the use of the School Department. I do not include the amount expended from the Dog fund, or that expended from the income of the Sylvia Ann Howland fund, which is a trust fund. Most cities have no trust fund and purchase from their appropriations many things that we buy from the income of our trust fund. Some include, in computing the

cost of their schools, the amount received from the Dog fund or other sources than municipal tax alone, while others do not. Again, neither the amount expended for new schoolhouses nor the interest on the debt incurred in their construction is reckoned in computing the cost per pupil each year,—in most of our eastern cities at least. In many western cities school funds are raised from a separate tax, and the bonded indebtedness incurred for schools is shown each year, and the interest on the same and the amount needed to meet maturing bonds that are not to be refunded are included in the amount to be raised for school purposes.

Therefore, I repeat, it is a difficult matter to determine the relative actual cost per pupil in different municipalities. I see from time to time figures which are taken from school reports or obtained from incomplete data used to prove that the schools of some city are costing relatively less than those of others where the schools are of the same quality. I have been guilty of making such comparisons myself; but I am learning that such comparisons are not to be relied upon.

But it is a fact apparent to the most casual observer that the schools each year are costing relatively more almost everywhere as compared with those of the past.

While New Bedford is not spending as much per capita of school population as many places, it is owing to the large number of pupils enrolled in private and parochial schools; if at any time the city should be called upon to provide for them, the story would be different. It would add from $40,000 to $50,000 a year to the running expenses of the schools, and entail the expenditure of nearly, if not quite, $200,000 for schoolhouses to provide for these pupils alone.

It is true that the increasing cost of schools is a sign of progress; it means more healthful and comfortable sur-

roundings for pupils and teachers, better instruction and a general broadening and uplifting of the work of the schools. What the limit shall be will depend upon the will of the people. But it is becoming more incumbent every year upon school authorities to weigh most carefully every demand for a new departure in organization or instruction which is likely to add another fixed charge to the already large cost of the schools.

NEW SCHOOLHOUSES.

Two eight room primary schoolhouses have been completed during the year, one in the northeast part of the city, situated on the corner of Bowditch street and Phillips avenue known as the Phillips avenue schoolhouse; the other situated in the south part of the city on Dartmouth street between Dunbar and Sidney streets. This school has been named the George H. Dunbar school in honor of the late George H. Dunbar, who was mayor of the city for several years and who was an efficient and faithful member of the School Board for many years. Both of these schoolhouses are excellent buildings for school purposes; their architectural features are good and they are well constructed; they excel in the two most important features necessary for a schoolhouse,—light and sanitary arrangements. Of the two, the George H. Dunbar schoolhouse excels in several particulars, namely, width of corridors, size of teachers' retiring rooms, and in provision for egress to playgrounds.

Another eight-room building, located on Brock avenue, is nearly completed and will probably be ready for occupancy in a few months. This building is of the same general plan as the Phillips avenue schoolhouse. These new schoolhouses do not, however, supply the amount of schoolroom needed; but this matter will be discussed more fully in the Superintendent's report.

It is become evident to the School Board that it is a mistake to build schoolhouses in thickly settled parts of the city containing only six or eight rooms and no assembly hall. Hereafter the City Council will be asked to construct schoolhouses containing at least twelve rooms and a hall. In some cases also, very unsuitable locations have been selected for schoolhouse sites; in other cases the lots have been altogether too small. The responsibility of selecting a schoolhouse site rests with the City Council. The School Board can do no more than make recommendations. Sometimes their recommendations have been followed and sometimes not. It would seem that the School Board ought to know better than any other body where schoolhouses are needed and what kind of surroundings they should have; and unless there is some very good reason why in any particular case their recommendation should not prevail, it should be accepted.

CONCLUSION.

In my report, as secretary, I try to give in detail to our citizens those statistics which will enable them, if they so desire, to understand especially the expenditures of the department and such others as they might expect from the board. I try to speak to them from the standpoint of the School Board as far as possible. In my report as Superintendent, I speak more from the standpoint of the executive officer of the Board, and advance opinions, which are purely my own. In making such a dual report, I am following a custom which has long prevailed here, but which I find is not an easy one to pursue. One report sometimes trenches upon the ground of the other; where this occurs, I ask all indulgence.

Respectfully submitted,
WILLIAM E. HATCH, Secretary.

Dec. 31, 1897.

RULES GOVERNING TEACHERS' SALARIES.

	Maximum	Minimum.
Principal of High school,	$2,750	
Sub-master of High school,	1,600	
Science teacher of High school,	1,600	
Teacher of mathematics, High school,	1,600	
Teacher of commercial course, High school,	1,100	
Lady assistants of High school,	900	$650
Military instructor of High school,	300	
Principals of complete Grammer schools,	1,900	
Principals of partial Grammar schools,	1,200	
Principals' assistants of Grammar schools,	675	
Assistants of Grammar schools,	600	425
Principals of Primary schools,	600 to 900	
Assistants of Primary schools,	550	375
Principal of Training school,	1,700	
Vice Principal of Training school,	1,100	
Senior in Training school,	4 per week.	
Ungraded schools,	400 to 600	
Principals of Evening schools,	3.00 to 4.50 per night.	
Assistants of Evening schools,	1.50 per night.	
Supervisor of Drawing,	1,500	
Supervisor of Music,	1,900	
Teacher of Sewing,	525	
Cooking teacher,	600	
Manual training teacher,	1,400	

The salary of a principal of a complete Grammar school, containing at least ten rooms and all the grades, is $1,900 per annum. The salary of a principal of a partially developed Grammar school or a mixed Grammar and Primary school varies with the size of the school and experience of the principal. Maximun salary now made for such school, $1,200.

The salary of a Primary school principal of a four-room building is $600 per year, which is increased at the rate of of $25 for each additional room.

The salaries of assistant teachers in the High school are increased at the rate of $50 per year until the maximum is reached.

The minimum yearly salary of a Grammar school assistant is fixed at $425, and the yearly advance is $25 per year until a yearly salary of $500 is reached; the annual increase is then $50 per annum until the maximum ($600) is reached. Principals' assistants only are paid $675.

The minimum yearly salary of a Primary school assisttant is fixed at $375, and the yearly advance is $25 per year until a yearly salary of $450 is reached; the annual increase is then $50 per annum until the maximum ($550) is reached.

CALENDAR, 1898.

Winter term begins Jan. 3, 1898; ends April 1, 1898.
Summer term begins April 11, 1898; ends July 1, 1898.
Fall term begins Sept. 6, 1898; ends Dec. 23, 1898.

VACATIONS.

April 2, 1898, to April 11, 1898.
July 2, 1898, to Sept. 6, 1898.
Dec. 24, 1898, to Jan. 9, 1899.

HOLIDAYS.

Every Saturday; Washington's Birthday; Patriot's Day; Memorial Day; from Wednesday noon before Thanksgiving the remainder of the week.

SCHOOL SESSIONS.

Grammar, Manual Training and Mill schools: From March 1 to November 1, 9 A. M. to 11.45 A. M., 1.45 P. M. to 4 P. M.; from November 1 to March 1, 9 A. M. to 11.45 A. M., 1.30 P. M. to 3.45 P. M.

Primary schools: From March 1 to November 1, 9 A. M. to 12 M., 2 P. M. to 4 P. M.; from November 1 to March 1, 9 A. M. to 11.40 A. M. without recess, 1.30 P. M. to 3.30 P. M.

High school: 8.30 A. M. to 1.30 P. M., during the whole year.

Country schools: Sessions as prescribed by the Committee on Ungraded schools.

The signal for no session is two strokes of the fire alarm once repeated (2-2).

When given at 8.15 A. M. the morning session shall be omitted.

When given at 12.45 P. M. the afternoon session shall be omitted.

This regulation does not apply to the High school or to the Ungraded schools except those designated by the Board.

The no-session signal on stormy days shall not apply to the sessions of the Manual Training or the Cooking schools; and pupils attending those schools shall not be excused for non-attendance upon them on account of the no-session signal.

GRADUATES, CLASS OF 1897.

Ne Cede Malis.

LIST OF GRADUATES.

Eudora Katherine Barry,
Elsa Putnam Bates,
Gertrude Adelaide Chase,
Mary Parnell Chase,
Edith Lobdell Cornish,
Adelaide Maria Cota,
Emily Wilbur Davis,
Elizabeth Agnes Dunn,
Mary Elizabeth Gleason,
Caroline Luella Healey,
Louise Everett Hicks,
Ethel Alberta Hill,
Ethel Marble Howland,
Bertha Eola Jenney,
Catherine Agatha McGuiness,
Ethel Helen Myrick,
Mary Elizabeth Ryan,
Mary Louise Sisson,
Annie Davis Smith,
May Wheldon Snow,
Lyla Chandler Sturtevant,
Annie Hadley Taber,
Edith Mortimer Terry,
Alice Heywood Warner,
Helen Almy Whitmore,
Ernest Vinton Alley,
Charles Herbert Bennett,
James Franklin Briggs,
Bryant Macomber Brownell,
Charles Winslow Coxen,
William Edward Dillingham,
Philip Curtis Holmes,
Henry Hiram Wheaton Keith,
Charles Oesting Schuler,
Roy Upham,
James William Webber,
Henry Phillips Willis, Jr.,
Charles Sumner Wing, Jr.

Recipients of Certificates.

Annie Richmond Gifford,
Roxy Leonne Hayden,
Alice Louisa Macomber,
Maude Ethel White,
Mary Allen Hersey,
Minerva Frances Maxfield,
Mary Augusta Wells,
Benjamin Bradford Braley.

Programme:

OVERTURE. Leona. Stahl.
ORCHESTRA.
PRAYER.
BY THE REV. E. S. ROUSMANIERE.
SONG. Damascus Triumphant March. Costa.
SELECTED CHORUS.
SALUTATORY AND ESSAY. Le Roi Est Mort, Vive Le Roi.
ANNIE HADLEY TABER.
SONG. Ye Shepherds, Tell Me. Mazzinghi.
SELECTED CHORUS.

ORATION. A Plea.

CHARLES WINSLOW COXEN.

MUSIC. Bijou. Eising.

ESSAY. The Power of Song.

HELEN ALMY WHITMORE.

MUSIC. The New Hail Columbia. Music of Tabasco March.
G. W. Chadwick.

SELECTED CHORUS.

PRESENTATION OF DIPLOMAS.

BY HIS HONOR, MAYOR ASHLEY.

CLASS SONG. { Words by Louise Everett Hicks. / Music by Mary Allen Hersey.

1. Summer skies once more shine o'er us,
Birds sing in the leafy trees.
Flowers blooming on the hillsides
Waft their perfumes on the breeze.

Chorus.

Sadness now is out of keeping,
Care and trouble find no place.
Summer days are not for weeping,
Earth wears now a happy face.

2. Days of youth are days of summer,
Hope then holds the strongest sway;
If we persevere through trials
We can always make our way.

3. Let us hold to hope thro' all things,
Tho' our youth may pass away;
Life will then seem youth eternal
And the whole but one bright day.

4. Difficulties may oppose us,
Let us not be then dismayed;
With our motto e'er before us
We shall not be long delayed.

5. Tho' our school days here are ended,
Let us still our motto bear,
It will help us in our troubles,
It will help to banish care.

FIRST BOURNE PRIZE ESSAY AND VALEDICTORY. Our Duties as Citizens.

JAMES FRANKLIN BRIGGS.

MARCH. Torchlight. Clark.

ORCHESTRA.

GRADUATING EXERCISES HARRINGTON NORMAL AND TRAINING SCHOOL.

JUNE 18, 1897.

Programme :

SUBJECT—DEVELOPMENT OF POWER.

Power to Think. Essay.	Miss Allen.
Power to Judge. Class Exercise. Grade I.	Miss Deane.
Power to Apply. Class Exercise. Grade II.	Miss Covell.
Power to Make. Essay.	Miss Perry.
Power to See. Class Exercise. Grade III.	Miss Brownell.
Development of Power. Valedictory.	Miss Anthony.
Presentation of Diplomas.	Mrs. Sylvia B. Knowlton.
Chairman Normal and Training School Committee.	
Address.	Prof. Paul H. Hanus.
Harvard College.	

DECEMBER 17, 1897.

Programme :

Prayer.	Rev. Edmund S. Rousmaniere.
Reproduction. Class Exercise. Grade II.	Miss Dillingham.
Educative Seat-Work. Illustrated Essay.	Miss Murphy.
Study of Spelling Lesson. Class Exercise. Grade III.	Miss Gibson.
Reasoning and Estimating. Class Exercise. Grade VI.	Miss Wetherell.
Measurement of Values. Valedictory.	Miss Wetherell.
Presentation of Diplomas.	Mrs. Sylvia B. Knowlton.
Chairman Normal and Training School Committee.	
Address.	Mr. George I. Aldrich.
Superintendent of Schools, Newton, Mass.	

GRADUATES.

June 18, 1897.

Florence Morgan Anthony,	Helen Kollock Covell,
Agnes Dunham Allen,	Cecilia Agnes Deane,
Mary Prescott Brownell,	Mary Veronica Perry.

December 17, 1897.

Grace Winifred Dillingham,	Jennie Agnes Murphy,
Nellie Elthea Gibson,	Clara Jane Wetherell.

GRADUATING EXERCISES, GRAMMAR AND UNGRADED SCHOOLS.

JULY 1, 1897.

Programme:

PRAYER, REV. WILLIAM J. REYNOLDS.
SONG, Hymn of Praise, A. BILLETER.
COMPOSITION, On Midsummer Eve,
MISS MARION MABEL EMERY, Middle Street School.
RECITATION, Stray Leaves from Local History, by a Teacher.
MISS SARAH SISSON TRIPP, Fifth Street School.
SONG, May Breezes, KREIPEL.
COMPOSITION, Resumé of Evangeline,
MISS JOSEPHINE CATHERINE YATES, Parker Street School.
PRESENTATION OF DIPLOMAS,
MR. ROBERT W. TABER: Chairman of Committee on Grammar Schools.
DR. EDWARD T. TUCKER: Chairman Committee on Ungraded Schools.
BRIEF ADDRESS,
MR. WILLIAM E. HATCH: Superintendent of Schools.
PARTING SONG, Strubé.
MUSIC. Conducted by Mr. F. H. BUTTERFIELD, Supervisor of Music.

APPROVED LIST OF TEXT-BOOKS TO BE USED IN THE HIGH SCHOOL.

SCIENCE.

Remsen's Chemistry.
Allen's Laboratory Manual.
Packard's Zoology.
Youman's Botany.
Avery's Natural Philosophy.
Mill's Realm of Nature.
Pierce's Problems in Physics.
Gifford's Elementary Physics.
Avery's School Physics.
Stone's Experimental Physics.

GEOGRAPHY.

Tilden's Commercial Geography.

PHYSIOLOGY AND HYGIENE.

Hutchinson's Physiology and Hygiene.

MATHEMATICS.

Well's Academic Arithmetic.
Wentworth's School Algebra.
Wentworth's College Algebra.
Wentworth's New Plane Geometry.
Wentworth's Plane and Solid Geometry.
Wentworth's Trigonometry.

BOOKKEEPING AND STENOGRAPHY.

Meservey's Bookkeeping.
Meservey's Bookkeeping Blanks.
New Complete Bookkeeping, Williams and Rogers.
Barnes' Shorthand Manual.
Actual Guide to Business Practice, Ellis.
Munson's Art of Phonography.
Your own Typewriter Instructor. Harper.
A. T. Hill's Commercial Law.

HISTORY.

Barnes' History of Ancient Peoples.
Swinton's Outlines World's History.
Lancaster's History of England.
Fiske's History of the United States.
Martin's Civil Government.
Myer's History of Greece.
Allen's Short History of the Roman People.
Montgomery's Facts in English History.

ENGLISH.

D. J. Hill's Rhetoric and Composition.
Whitney-Lockwood's English Grammar.
Lockwood's Lessons in English.
Southworth and Goddard's Elements of English Grammar.
A First Book in Writing English Lessons, Lewis.
Underwood's American Authors.
Underwood's British Authors.
Brook's English Literature.
Dowden's Shakespeare.
Irving's Sketch Book.
Longfellow's Evangeline. Modern Classics.
Scott's Lady of the Lake.
Franklin's Autobiography.
Bryant's Thanatopsis and Others. English Classics Series.
Macaulay's Lays of Ancient Rome.
Shakespeare's Merchant of Venice. (Hudson edition.)
Shakespeare's A Midsummer Night's Dream. (Rolfe edition.)
Addison's The Sir Roger de Coverly Papers.
Tennyson's The Coming and Passing of Arthur.
Tennyson's Elaine.
Tennyson's Guinevere.
Milton's Paradise Lost. Book I.
Shakespeare's As you Like It, and Julius Cæsar. Vol.I. (Hudson edition.)
Spenser's Faerie Queen, First Canto.
Shakespeare's Hamlet. (Hudson notes.)
Webster's First Bunker Hill Oration.
Burke's On American Taxation.
Burke's On Concilliation with America.
Buehler's English.
Holmes's The Chambered Nautilus.
Lowell's My Garden Acquaintance.
Milton's Paradise Lost. Book I. Sprague.
Macaulay's Essays. Milton and Addison.
Chaucer's Prologue to the Canterbury Tales.
The Vision of Sir Launfal.
Pope's Iliad, Books I., VI., XXII., XXVI.
Dryden's Palamon and Arcite.
De Quincey's Flight of a Tartar Tribe.
Cooper's Last of the Mohicans.
Hawthorne's House of the Seven Gables.
Tennyson's The Princess.
Southey's Life of Nelson.

GERMAN.

Wenckebach's Deutsche Grammatik.
Harris's German Lessons.
Grimm's Haus Märchen.
Goethe's Hermann and Dorothea.
Otto's German Grammar.
Eichendorf's Aus dem Leben Eines Taugenichts.
Riehl's Der Fluch der Schonheit.
Chamisso. Peter Schlemil's Wundersame Geschichte.
Freytag. Aus dem Staat Friedrich's des Grossen.
Heine. Die Harzreise.
Goethe. Dichtung und Wahrheit.
Lessing. Minna von Barnhelm.
Schiller. Wilhelm Tell, Das Glied von der Glocke.
Wenckebach. Lyrics and Ballads, Die Schönsten deutschen Lieder.
Von Hillern's Höher als die Kirche.
Joynes' Meissners' German Grammar.

GREEK.

Goodwins' Greek Grammar.
Jones's Greek Prose Composition.
Goodwin's Xenophon and Herodotus.
Boise's Homer's Iliad.
Autenrieth's Homeric Lexicon.
Crosby's Greek Lexicon.
Manatt's Xenophon Hellenica. Books I–IV.
Woodruff's Greek Prose Composition.
Perrin's Homer's Odyssey (for "Homer at Sight").
Harper's Xenophon's Anabasis (for "Xenophone at Sight").
Gleason and Atherton's First Greek Book.

LATIN.

Collar and Daniell's First Latin Book.
Harkness's Latin Grammar.
Allen and Greenough's Cæsar.
Greenough's Virgil.
Harkness's Cicero.
Jones's Latin Prose Composition.
Lindsay's Nepos.
Kelsey's Selections from Ovid.
Harper's Virgil, (for "Virgil at sight").
Via Latina, Collar.
Collar's Practical Latin Composition.

FRENCH.

Van Daell's French Grammar.
Roulier's First Book in French Composition.
Chardenal's Complete French Course.
Hennequin's Idiomatic French.
Spier's and Surenne's French Dictionery.
Gréville. Dosia.
Bedollière. La Mère Michael et sou Chat.
Halèvy. Un Marriage d'Amour.
About. La Mère de la Marquise.
Labiche. Le Voyage de M. Perrichon.
Sand. La Mare au Diable.
Erckmann-Chatrian. Le Conscrit de 1813.
Daudet. Le Siège de Berlin.
Mèrimeé. Colomba.
De Vigny. Cinq Mars.
De Lamartine. Graziella.
Dumas. La Tulipe Noire.
Sandeau. Mademoiselle de la Seiglière.
Scribe et Legouve. Bataille de Dames.
Grandgent's Selections French Compositions.
La Famille de Germandre. Sand.
Larmartine. Jeanne d'Arc.
La Fontaine. Fables, Books I and II.
Super's French Readers.
Molière. L'Avare, Le Bourgeois Gentilhomme.
Cornèille. Le Cid, Horace.
Racine. Andromaque, Iphigénie.
Molière Le Bourgeois Gentilhomme.

SUPPLEMENTARY BOOKS USED IN THE HIGH SCHOOL.

Well's University Algebra.
Chauvenet's Geometry.
Walpole's Virgil, Book I.
Sprague's Masterpieces in English Literature.
Scott's Poems.
Hudson's Shakespeare. Vol. II.
Rolfe's Childe Harold.
Collier's History of English Literature.
Lay of the Last Minstrel.
Vicar of Wakefield.

Shakespeare, by R. Grant White.
Martin's English Language.
Strang's Exercises in English.
Modern Classics:
Goldsmith, Cowper and Hemans.
Fouque and St. Pierre.
Byron and Hood.
Burns and Scott.
Fields and Hawthorne.
Holmes and Brown.
Howells.
Campbell and Rogers.
Carlyle, Lamb and Southey.
Wordsworth and Coleridge.
Dickens and Fields.
Whittier.
Hawthorne and Carlyle.
Thackeray's Essays on Swift, Congreve and Steele.
Macaulay's Life and Writings of Addison.
The Four Georges. Thackeray.
Thackeray's Essays on Prior, Gay, Pope, Hogarth, Smollett, Fielding, Sterne and Goldsmith.
Milton and Byron. Macaulay.
Macaulay's Essay on Johnson.
Macaulay's Essays on Goldsmith, Bunyan, and Madame D'Arblay.
Goldsmith's Plays.
Goldsmith's Poems.
Heath's German Dictionary.
Boisen's German Prose.
Wenckebach's Anschauung's Unterricht.
Johnson's Schiller's Ballads.
Le Roi des Montagnes. About.
La Littérature Française Contemporaine, by Pylodet.
La Littérature Française Classique. Mennechet.
Emerson's Essays.
American Poems.
About Old Story Tellers.
La Tour de la France.
Perry's Bible Manual.
Seaver & Walton's Metric System.
Model Etymology. Webb.
Stein's German Exercises.
Smith's Principia Latina.
Craik's English of Shakespeare—Julius Cæsar.
Shaler's First Book in Geology.

Gray's Lessons in Botany.
Earl of Chatham, Macaulay.
Courtship of Miles Standish.
Emerson's American Scholar.
Wentworth & Hill's Algebra.
McCurdy's Exercises in Algebra.
Comus.
Lodge's Mechanics.
Hall & Bergen's Physics.
Fisk's Civil Government.
Luqien's French Prose.
The Abbott, by Scott.
Whitney's The Essentials of English.
Carhart & Chute's Physics.
Appleton's School Physics.
The Foundations of Rhetoric, by A. S. Hill.
Irving's Tales of a Traveller.
The Plague Year, by DeFoe.
Arnold's Sohrab & Rustum.
Scott's Woodstock.
Silas Marner. George Eliot.
Montgomery's Leading Facts of English History.
Smith's Smaller History of Greece.
Gray's Botany.
Well's Geometry.
Berlitz Methode für den deutschen Unterricht, Zweiter Theil.
High School Choir.
High School Music Reader.
The Euterpean.

TEXT BOOKS USED IN THE GRAMMAR SCHOOLS.

Franklin New Third Reader.
Franklin New Fourth Reader.
Franklin New Fifth Reader.
Franklin Sixth Reader.
Bradbury's Eaton's Elementary Arithmetic.
Bradbury's Eaton's Practical Arithmetic.
Prince's Arithmetic, Part IV.
Prince's Arithmetic, Part V.
Prince's Arithmetic, Part VI.
Seaver and Walton's Mental Arithmetic.
Longman's Geography.

Longman's Atlas.
Redway's Natural Elementary Geography.
Warren's Common School Geography.
Worcester's School Dictionary.
Barnes' History of the United States.
Hyde's Language Lessons. Part I.
Hyde's Language Lessons. Part II.
Hyde's Language Lessons. Advanced.
Harrington's Speller. Parts 1 and II.
May's Anatomy, Physiology and Hygiene.
Blaisdell's How to Keep Well.
Gifford's Elementary Physics.
Prang's Drawing Books.
Merrill's Vertical Writing Books.
The Young American. Judson.

APPROVED LIST OF SUPPLEMENTARY BOOKS USED IN GRAMMAR SCHOOLS.

GRADE V.

1. Our World, No. 1.
2. Seaside and Wayside, No. 2.
3. Stories of American Life and Adventure.
4. Old Greek Stories.
5. Heart of Oak Series, No. 3.
6. Longfellow Leaflets.

SPECIAL STUDY IN LITERATURE.

Building of the Ship, Longfellow.

GRADE VI.

1. Eggleston's Elementary History of U. S.
2. Seaside and Wayside, No. 3.
3. King of the Golden River, Ruskin.
4. Dana's Plants and Their Children (also in VII.)
5. Old Stories of the East.
6. Gods and Heroes, Francillon.
7. Heart of Oak Series, No. 4.

SPECIAL STUDY IN LITERATURE.

Courtship of Miles Standish.

GRADE VII.

1. Higginson's Young Folks History U. S.
2. Hawthorne's Grandfather's Chair.

3. Kingsley's Water Babies.
4. The Story of Greece, Gueber.
5. Dana's Plants and Their Children (also in VI.)
6. By Land and Sea.

SPECIAL STUDY IN LITERATURE.

Evangeline, Longfellow.

GRADE VIII.

1. Tanglewood Tales, Hawthorne.
2. The Study of the Romans.
3. Life in Asia.
4. The Sketch Book, Irving.

SPECIAL STUDY IN LITERATURE.

Snow Bound, Whittier.

GRADE IX.

1. Tales from Shakespeare, Lamb.
2. Ballou's Footprints of Travel.
3. Ethics of Success.
4. Selections from American Authors, Eliot.
5. Ballads and Lyrics, arr. by H. C. Lodge.

SPECIAL STUDY IN LITERATURE.

The Vision of Sir Launfal, Lowell.

SETS OF SUPPLEMENTARY BOOKS FOR OCCASIONAL READING.

Dickens' Child's History of England.
Anderson's Historical Reader.
Collier's British History.
Goodrich's History, U. S.
Johonnot's Geographical Reader.
Scribner's Geograpical Reader.
Child's Book of Nature, Parts I, II, III, IV.
Choice Readings in Nature's Book.
Robinson Crusoe.
Swinton's Book of Tales.
Swiss Family Robinson.
Lady of the Lake.
Hiawatha.
Quentin Durward.
Golden Book of Choice Readings.
American Authors.
Swinton's American Classics.

Swinton's English Classics.
Metcalf's Language Exercises.
Harvey's Readers.
Sheldon's Readers.
Royal Readers.
Monroe's Readers.
McGuffey's Readers.
Appleton's Readers.
Steele's Physiology.

SUPPLEMENTARY BOOKS IN SETS OF THREE FOR GENERAL READING.

Fables and Folk Stories.
Arabian Nights.
Æsop's Fables, Vols. 1 & II.
Vicar of Wakefield.
Black Beauty.
Little Men.
Little Lord Fauntleroy.
At the Back of the North Wind.
Hans Brinker.
Heroic Ballads.
Frye's Child and Nature.
Peasant and Prince.
Prince and Pauper.
Classic Myths in English Literature.
Blue Jackets of 1776.
" " " 1812.
" " " 1861.

TEXT-BOOKS USED IN THE PRIMARY SCHOOLS.

Franklin New First Reader.
Franklin New Second Reader.
Franklin New Third Reader.
Harrington's Speller, Part 1.
Child's Health Primer.
Prince's Arithmetic, Part II.
Prince's Arithmetic, Part III.
Prang's Drawing Books.
Merrill's Vertical Writing Books.

SUPPLEMENTARY BOOKS USED IN THE PRIMARY SCHOOLS.

GRADE I.

1. Our Little Book for Little Folks.
2. Normal Primer.
3. Holmes' First Reader.
4. Riverside Primer and Reader.
5. Werner Primer.
6. The Children's Primer, Cyr.

GRADE II.

1. The Normal First Reader.
2. Harper's First Reader.
3. Stickney's First Reader.
4. Holmes' Second Reader.
5. Scudder's Fables and Folks Stories.
6. Stories for Children.
7. Nature's Byways.
8. The Children's First Reader, Cyr.

GRADE III.

1. Wood's Natural History Second Reader.
2. Scudder's Fables and Folks Stories.
3. I, Autumn.
4. All the Year Round, 2, Winter.
5. 3, Spring.
6. Stories of Great Americans for Little Americans.
7. The Children's Second Reader, Cyr.

GRADE IV.

1. Seven Little Sisters.
2. Each and All.
3. King's Picturesque Geography, No. 1.
4. Wood's Natural History Third Reader.
5. Hans Anderson's Stories.
6. Fifty Famous Stories Retold.
7. Heart of Oak Series, No. 2.

Church's Old World Stories.
Nations of the World.
The World at Home,—Europe.
" " " " —The World
The World by the Fireside.
Life in Asia.

MUSIC READERS.

National Second Music Reader.
National Third Music Reader.
National Fourth Music Reader.

SETS OF SUPPLEMENTARY BOOKS FOR OCCASIONAL READING.

Monroe's Primer.
Monroe's First Reader.
Monroe's Second Reader.
Parker and Marvel's Second Reader.
Parker and Marvel's First Reader.
Sheldon's Second Reader.
Sheldon's Third Reader.
Butler's First Reader.
Butler's Second Reader.
Stickney's First Reader.
Stickney's Second Reader.
Barnes' Second Reader.
Barnes' Third Reader.
Child's Book of Nature.
Baker's Young Folks' Geography.
Seaside and Wayside, Part I.
Verse and Prose for Beginners.
Æsop's Fables, Vols. I. and II.
Grimm's Fairy Tales.
Legends of Norseland.

MUSIC READERS.

National First Music Reader.
National Second Music Reader.

SCHOOL BOARD, 1897.

CHARLES S. ASHLEY, Mayor, Chairman *ex-officio*

ROBERT W. TABER, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

GEORGE P. BAILEY, President of the Common Council, *ex-officio*.

Ward 1—Frank R. Pease, John H. Lowe, George W. Hillman.
Ward 2—Frank A. Milliken, Edward T. Tucker, Lewis E. Bentley.
Ward 3—William H. Pitman, Stephen H. Shepherd, William R. Channing.
Ward 4—Sylvia B. Knowlton, George H. Batchelor, Ada W. Tillinghast.
Ward 5—Edmund S. Rousmaniere, Robert W. Taber, Jonathan Howland, Jr.
Ward 6—Joseph C. Pothier, Clarence R. Sherman, Betsey B. Winslow.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is Chairman of the same.

On High School—Milliken, Pitman, Howland, Winslow, Shepherd, Batchelor, Knowlton, Taber, Tillinghast, Rousmaniere.

On Grammar Schools—Taber, Pitman, Howland, Milliken, Channing, Knowlton, Shepherd, Tillinghast, Sherman.

On Primary Schools—Shepherd, Winslow, Tucker, Taber, Tillinghast, Lowe, Bentley, Pothier, Pease.

On Ungraded Schools—Tucker, Howland, Tillinghast, Sherman, Lowe, Bentley, Pothier, Pease.

On Training School—Knowlton, Milliken, Winslow, Hillman, Tillinghast, Batchelor, Rousmaniere.

On Truants—Sherman, Hillman, Tucker, Channing.

On Evening Schools—Lowe, Hillman, Tucker, Knowlton, Tillinghast, Sherman, Bentley, Pease, Rousmaniere.

On Music—Batchelor, Shepherd, Knowlton, Channing, Rousmaniere.

On Manual Training—Hillman, Winslow, Batchelor, Tucker, Knowlton, Sherman, Lowe, Pothier, Pease.

On Examination of Teachers—Winslow, Batchelor, Tillinghast, Knowlton, Rousmaniere.

On Text Books—Tillinghast, Milliken, Tucker, Knowlton, Hillman, Bentley, Pothier.

On Expenditures—Howland, Pitman, Shepherd, Milliken, Taber, Channing, Lowe, Bentley, Pothier, Bailey.

On Howland Fund—Pitman, Howland, Shepherd, Milliken, Channing, Hillman, Taber, Pease, Bailey.

On Rules—Tucker, Batchelor, Sherman, Pothier, Rousmaniere.

SCHOOL BOARD, 1898.

CHARLES S. ASHLEY, Mayor, Chairman, *ex officio*.

ROBERT W. TABER, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

Office 166 William street.

Office Hours, 8.30 to 9 A. M., 12.30 to 1 P. M. Saturdays, 9 to 9.30 A. M.

STEPHEN A. BROWNELL, President of the Common Council, *ex officio*.

Regular meetings of the Board, first Monday of each month, at 7.30 P. M., except in the months of January, August and September. In January and September the meetings will be held the *Tuesday* after the first Monday. In August no meeting will be held.

Name.	*Place of Business.*	*Residence.*
	WARD ONE.	
J. Frank Weeks,	Cor. Acushnet av. and Tarkiln Hill road,	Cor. Acushnet av. and Tarkiln Hill road.
Frank R. Pease,	923 Acushnet avenue,	921 Acushnet avenue.
John H. Lowe,		935 Acushnet avenue.
	WARD TWO.	
Charles H. Holden,	327 Cedar street,	327 Cedar street.
Frank A. Milliken,	43 William street,	290 Pleasant street.
Edward T. Tucker,	258 Pleasant street,	258 Pleasant street.
	WARD THREE.	
Joseph A. Wright,	24 Pearl street,	369 Cottage street.
William H. Pitman,	Five Cts. Savings Bank,	60 Chestnut street.
Stephen H. Shepherd,	Standard Office,	154 Maxfield street.
	WARD FOUR.	
Ada W. Tillinghast,		37 Eighth st.
Sylvia B. Knowlton,		348 Union street.
George H. Batchelor,	Institution for Savings,	187 Cottage street.
	WARD FIVE.	
Betsey B. Winslow,		315 County street.
Edmund S. Rousmaniere,		372 County street.
Robert W. Taber,	28 Pleasant street,	48 Fifth street.
	WARD SIX.	
Arthur E. Buffington,	1 Crapo street,	27 Crapo street.
Joseph C. Pothier,	245 Fourth street,	247 Fourth street.
Clarence R. Sherman,	7 Leonard street,	248 County street.

EMMA M. ALMY, Superintendent's Clerk.

MARY C. POTTER, Assistant Clerk in Superintendent's Office.

HENRY SMITH, Truant Officer, 372 Cottage street.

WILLIAM A. BAKER, Truant Officer, 213 Fourth street.

Office Hours, 12.30 to 1 P. M; Saturdays, 9 to 9.30 A. M.

GEORGE K. DAMMON, Messenger and Truant Officer, 137 Smith st.

Office of Superintendent of Schools open from 8.30 A. M. to 4.30 P. M., except Saturdays. Saturdays, from 9 A. M. to 11 A. M., 2 P. M. to 4 P. M.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is Chairman of the same.

On High School—Milliken, Pitman, Pothier, Winslow, Shepherd, Pease, Knowlton, Taber, Tillinghast, Rousmaniere.

On Grammar Schools—Taber, Pitman, Pothier, Milliken, Lowe, Knowlton, Shepherd, Tillinghast, Sherman, Winslow.

On Primary Schools—Shepherd, Winslow, Weeks, Tucker, Taber, Pothier, Tillinghast, Lowe, Pease.

On Ungraded Schools—Tucker, Holden, Pothier, Buffington, Sherman, Pease, Lowe, Wright.

On Training School—Knowlton, Milliken, Winslow, Buffington, Tillinghast, Batchelor, Rousmaniere.

On Truants—Sherman, Tucker, Holden, Buffington.

On Evening Schools—Lowe, Knowlton, Sherman, Weeks, Tucker, Holden, Wright, Pease, Rousmaniere.

On Music—Batchelor, Shepherd, Knowlton, Holden, Rousmaniere.

On Manual Training—Pothier, Winslow, Batchelor, Tucker, Knowlton, Sherman, Lowe, Weeks, Pease.

On Examination of Teachers—Winslow, Knowlton, Batchelor, Rousmaniere, Tillinghast.

On Text-Books—Tillinghast, Milliken, Tucker, Pothier, Knowlton, Wright, Buffington.

On Expenditures—Taber, Pitman, Shepherd, Milliken, Pease, Sherman, Lowe, Wright, Pothier, Brownell.

On Howland Fund—Pitman, Taber, Milliken, Sherman, Weeks, Shepherd, Buffington, Pease, Brownell.

On Rules—Tucker, Sherman, Rousmaniere, Batchelor, Pothier.

In School Committee,
December 30, 1897.

Resolved, That the thanks of this Board be and are hereby tendered to His Honor, Mayor Charles S. Ashley, for the courteous manner in which has presided over the deliberations of the Board during the past year.

Resolved, That the thanks of this Board are hereby tendered to Vice Chairman Taber for the able, impartial and uniformly courteous manner in which he has presided over the deliberations of the Board during the past year.

Resolved, That the thanks of the Board be and they are hereby tendered to the Secretary, William E. Hatch, for his courtesy and fidelity in the discharge of his duties during the past year.

ANNUAL REPORT

OF THE

SUPERINTENDENT OF SCHOOLS,

FOR THE YEAR 1897.

Report of the Superintendent.

To the School Committee:

Ladies and Gentlemen—I submit for your consideration my tenth Annual Report on the schools under your charge.

This report constitutes the thirty-seventh of the series of Annual Reports of the Superintendent of Schools of the city. By a vote of your Board, this report, together with that of the Secretary, is to constitute ths Annual Report of the School Committee.

Ten years ago, you selected me to become your agent in administering the schools under your control. My task has been one of pleasure, sustained as I have been by your hearty co-operation in the performance of my duties. Your keen interest in the schools and your unremitting service in their behalf, together with the responsive aid of the able body of teachers of the city, have alone made it possible for the schools to attain the high position they hold to-day.

It seems to me that it is a fitting time for me to express to you and the teachers my thanks and gratitude for the support and help that you both have given me in the past.

The last decade has been one fraught with change in the educational world; probably in no period since their foundation have the schools of the country made such radical departures from the ideas that had dominated them since their establishment. The sanitary conditions of the schoolhouses have been immeasurably improved; the

standard for teachers has been raised, both as regards scholarship and professional training; more rational methods of teaching have been introduced; kindergartens have been engrafted on the school system that the self activities of the children may be directed aright at an early period; the study of nature has been introduced into all the elementary grades to quicken the powers of observation in the pupils and to train them to record their obsertions intelligently and accurately; different forms of manual training,—wood working, metal working, cooking and sewing have been accepted as necessary forms of study, and placed in the schools; in short, more of the child is being put to school to-day than ever before.

The schools of New Bedford, under your direction, have responded to the quickening impulses of modern thought in education during this regenerating period, and now may be fitly classed among the most progressive schools of the country. The standard of admission to the teaching corps is as high as the best; the Normal and Training school, established nine years ago, is the equal of any city training school; the course of study in the High school provides for the manual and commercial training of pupils, as well as for the academical, and only awaits an addition to the building for still higher work along these lines; elementary science work is now done in all the elementary grades; wood working is now given the boys of several grades and cooking and sewing to the girls; and recently several kindergartens have been opened in connection with the schools.

It is true that the Grammar schools have not been enriched, as the expression is, by the addition of algebra, Latin, and some modern language to the curriculum of the higher grades, as has been the case in many other schools. Whether such options should be given in our Grammar schools is a question that is worth the earnest considera-

tion of your Board. With the organization of our Grammar schools, these options could be given with slight increase to the general expense of the schools and would tend to relieve the pressure of work in the High school, which in many cases, proves so great as to discourage pupils and causes them to leave the school or to take a partial course.

But with the improvements in hygienic conditions, material appliances and better methods of teaching in the schools, the conviction is forcing itself upon superintendents and teachers, as well as upon others, that results are not all that they should be. It is generally acknowledged that pupils leaving school are possessed of more facts than those of old, and that their school life has been pleasanter than that enjoyed by their forefathers; but there is a growing feeling that these things are being secured at the sacrifice of more vital matters. It is felt that pupils are becoming less self-reliant, will not work out for themselves the problems they are called upon to face, aided and enlightened by the teacher in a judicious way only, but demand assistance as soon as they encounter an obstacle; and that in this demand they have the sympathy of their parents. It is also felt that there is too little time for study and reflection for the pupils; and that all these things tend to weaken their mental fibre, and injure their power to exercise vigorous thought as they grow older.

Of what value is the study of history, if we do not learn from it the lessons of life? Is it not revealed therein that the mental and moral stamina necessary to make a nation strong is acquired only by such a system of education and training of its youth as teaches them to face all obstacles bravely and to conquer them. We look to Germany still for inspiration in matters educational; but it seems to me that while we have learned from them many things that have strengthened our schools we have failed

to take home to ourselves the great lesson that the modern development of that strong nation teaches, namely, that education is a conquering force when it is so directed as to develop in the individual the power to think strongly and accurately, and the will to persevere until the end is accomplished.

When the cry comes from educators of this country both east and west that strong thinking is what the graduates of our schools seem to lack, and when this cry is echoed by many of the thinking public, is it not time for parents as well as teachers to recognize that there is no royal road to knowledge, and that both shall insist on the application of that principle in school instruction and administration.

I do not wish to be considered pessimistic in my outlook, for I am inclined rather to be optimistic, believing as I do that considering everything the schools are greatly superior to what they ever were before in their history. But when optimism degenerates into self-complacency there is danger, and the people of this country are apt to be very self-complacent, about the schools of their own city or town at least. As we compare the schools of to-day with those of twenty-five years ago, we wonder that such hygienic conditions of the schoolhouses that prevailed at that time could have been tolerated, and that many of the methods of teaching and disciplining that were then in vogue could have had the endorsement of thinking men and women. But they had existed for a century, and even now there are advocates of the old system as compared with the new, using as an argument the lives of the noble men and women who were the apparent product of the schools of the past. Those schools had their merits of course, and prominent among them were these,—that the pupils were compelled to rely much upon themselves and do well the few things they attempted. Their home training and life also tended to bring out the very qualities in which the children of to-day seem to be deficient.

This is well said to be the "children's age." And it is fitting that the stern rigidity with which children were ruled in an earlier period should be succeeded by a milder and more sympathetic treatment, and that the rational pleasures of childhood should be enjoyed by them to the utmost before the cares of later life come to them as they surely must. But has not the reaction gone too far and a false sympathy come to prevail, especially at home, until they have become dictators, not only there, but in the schools, to that extent that it is affecting the proper development of those stronger and nobler attributes without which they cannot attain true success and happiness in life?

INSUFFICIENT SCHOOL ACCOMMODATIONS.

Each year in my report I am compelled to sing the same refrain, namely, *overcrowded schools*. I have come to dread the beginning of each new term of school, knowing that it means without fail complaint from teachers, on the one hand, that their rooms are overcrowded, and asking relief, and a demand from parents, on the other hand, that their children who have been refused school privileges be given them.

I have brought promptly to the attention of your Board every case of an overcrowded school, and it has as promptly made temporary provision for relief, when possible, and informed the City Council of the existing condition. Sometimes the Council has taken action at once, to relieve the situation, and at other times it has calmly pigeon-holed the communication with little or no discussion. I do not wish to censure anyone or to appear to dictate a course of action to future City Governments, but it seems to me that the interests of the children of the city are of sufficient importance to warrant at least an im-

mediate conference between the proper committee of the City Council and the School Committee whenever a communication is presented from the latter asking for proper and sufficient school quarters. Such a conference would cost nothing, would serve to inform the Council of the actual state of affairs, and would also assist the School Committee in making its plans.

The need of more schoolhouses has not been more urgent for a number of years than it is to-day. It has taken a year or more to build each one of the recently erected schoolhouses after the contract has been let. There are now three hundred pupils at least who are housed in rented rooms, and the School Department is asked to provide accommodations for more than a hundred others in the same localities. By fall, unless something unforseen happens, it will be well-nigh impossible to provide any kind of quarters for the new applicants for admission unless immediate relief is given by the City Council.

There is not a Primary school that is not full to overflowing except the George H. Dunbar school and the Dartmouth street school, and they have but one room each unoccupied.

The situation should be faced by the City Council in its entirety and a comprehensive plan of relief put into operation. I do not believe that I am setting forth the claims of the School Department any too strongly when I affirm that our citizens prefer to have proper privileges for their children, even if other public improvements are delayed.

Now that I have entered upon a discussion of this question, I propose to set forth as clearly as I can the requirements of the School Department in the matter of schoolhouse facilities along the two lines in which relief is wanted.

1. The department needs more new schoolhouses that

it may furnish proper school quarters to the children applying for admission.

2. The department needs addition to some of the present schoolhouses that it may properly extend its work in ways demanded by the existing organization of the schools or by public statute.

I have already given the number of children who are located in other places than schoolhouses. To provide for these and for others who will soon be seeking admission to the schools, there is needed,

1. A primary schoolhouse located east of County street in the vicinity of Rivet or Potomska streets.

2. A grammar schoolhouse located between the Cedar Grove street and the Phillips avenue schoolhouses.

3. A primary schoolhouse on the lot on Shawmut avenue at the head of Maitland street, which was purchased for that purpose.

Those at the north and south sections of the city are needed most; but there is already a demand for the one on Shawmut avenue. It is more than a year since I asked for relief for the Acushnet avenue and I. W. Benjamin schools and an appropriation was asked with which to fit up two rooms on the third floor of the Acushnet avenue schoolhouse; but it was not granted and no other action taken. I am frequently asked if the Clark's Point schoolhouse will not relieve the congested district. I can only reply that parents living north of Cove street decline to send their young children so far as the Clark's Point school. I expressed the belief when the erection of that schoolhouse was under consideration that a four-room building would be amply large for that section for some years. I may be wrong, but I am of that opinion still. A smaller building there, and one located north of the I. W. Benjamin school would have much better served the ends of the school department and saved money for the city.

In addition to these new schoolhouses to provide for surplus pupils, there are other buildings that are wanted by the school department; one is an addition to the High school, and another is an addition to the Harrington Normal and Training school.

The addition to the High school is specially needed to provide for the commercial department, which is now compelled to have its classes in the main assembly hall; to provide also for manual training in the school in accordance with the following statute:

Public Statues, Acts, 1894, Chapter 471. An act to provide for manual training in cities of more than twenty thousand inhabitants.

"After the first day of September in the year eighteen hundred and ninety-five every city of twenty thousand or more inhabitants shall maintain as part of its High school system the teaching of manual training. The course to be pursued in said instruction shall be subject to the approval of the State Board of education."

More suitable quarters are needed also for the chemical and physical laboratories; a drill hall is wanted for use of the cadets and for physical exercises for the boys who do not elect military drill, and for the girls.

The Harrington school needs a larger assembly hall and more recitation rooms for the pupils and the training classes. The present assembly hall is small and inadequate to the needs of the school, and with the use even of the corridors for practice classes, there is not sufficient accommodations. If a suitable addition was built on this schoolhouse and the Shawmut avenue schoolhouse erected, it might be possible to abandon the Cedar street schoolhouse, a building with small rooms, having no means of ventilation except by the windows, and located on a street where the electric cars are constantly passing.

I present these matters for your consideration with a

full realization of the cost that the erection of these buildings will entail upon the city. But I know that they are all required, both to provide for the children seeking admission to the schools and to keep our schools, where I am sure our citizens wish them, among the best.

ATTENDANCE.

In the preceding article I have shown that more new schoolhouses and additions to others are needed. A study of the statistics of attendance will show the cause. On pages 22, 23, 24, 25, 26, 27, and 28, is given in detail the attendance for the year in all the schools of the city, both day and evening. It is sufficient for me to say here that there has been an increase in the average number belonging in the day schools of more than five hundred pupils; in the evening schools an increase in the enrollment of something over eleven hundred. Beginning with this year and hereafter, the report of attendance in the evening schools will be given by terms, as well as for the year, thus showing the comparative attendance at the two periods of the year.

The ratio of daily attendance to the average number belonging is about the same in the day schools as the previous year, and in fact varies but little from year to year, unless some epidemic of disease has prevailed in the city. An average of about 6½ per cent. of the pupils actually belonging to the schools, or 450 pupils, were absent each school day for various causes, and undoubtedly most of the absences were necessary. The size of a city and the character of its population determine the ratio of absences more than the efforts of the teachers; they usually do all they can to secure prompt and regular attendance. The ratio of attendance is usually largest in residential cities and in compact towns; it is smallest usually in manufacturing cities of our class and in sparsely settled towns.

The number of cases of dismissal is very large in our schools each year, caused chiefly by those pupils who carry dinners to members of their family working in the mills; there are other prolific causes, however; although the matter has been considered by your Board at different times, no satisfactory remedy has been found. There are many cases of tardiness also, for a large number of which there appears little excuse; by great effort of the teachers, the number was much smaller the past year than the year before.

Irregular attendance, dismissals and tardiness are all causes of loss, not only to the pupils immediately concerned, but to all others of the schools. They are factors, however, that must be reckoned with. Teachers should not be so strenuous in attempts to secure good attendance as to become offensive to parents, while the latter should recognize on their part the necessity for pupils to be in school when possible.

THE TRUANT OFFICERS' WORK.

Dealing with truants does not comprise all the work of these officers, as a perusal of their reports will show. They visit all the schools each day except the country schools, and investigate many cases of absenteeism other than that of truancy, but about which the teachers are in doubt; they see that children who have not entered school and are loitering about the streets are properly entered; they inform teachers of the transfer of pupils from other schools and cause them to be promptly enrolled; they visit the manufacturing and mercantile establishments and enforce the laws regarding attendance at evening schools and the employment of child labor; and of course harrow the habitual truants until they are usually glad to reform their ways rather than go to the truant school. They

prosecute only when the cases seem hopeless and their influence and that of the teachers and parents fail to bring reformation. They are a strong instrument in checking youthful crime, to which habitual truancy is usually the precursor, and for this reason alone their office is of much value.

The officers are zealous and efficient in the performance of their duties. I present below their reports for the year.

REPORT OF HENRY SMITH, TRUANT OFFICER.

Schools visited,	1,693
Absences reported,	676
Absences without permission,	84
Second offences,	19
Third offences,	16
Parents notified,	710
Taken to school from street,	14
Arrests,	6
Prosecutions,	6
On probation,	1
Sentenced to Truant school,	5
Transfer cards received,	256
Visits to mills,	59
Violations of labor law,	3
Evening school absences investigated,	209

REPORT OF WILLIAM A. BAKER, TRUANT OFFICER.

Schools visited,	1686
Absences reported by teacher,	755
Absences without permission of parents,	91
Second offences,	13
Third offences,	10
Parents notified,	849
Taken to school from street,	31
Arrests,	4
Prosecutions,	4
Sentenced to Truant school,	4
Transfer cards received,	243
Cases of tardiness investigated,	3
Visits to mills,	87
Violations of labor law,	1
Evening school absences investigated,	149

PROPOSED LEGISLATION IN RELATION TO SCHOOL ATTENDANCE AND EMPLOYMENT OF LABOR, AND LABOR CERTIFICATES ISSUED DURING YEAR BY THE SUPERINTENDENT'S OFFICE.

The following act was passed by the Legislature of 1897 :

"*Resolved*, That the State Board of Education is hereby directed to report to the next general court before the second Wednesday in January, a plan for carrying into execution the recommendations submitted by said Board in its report on the subject of school attendance and truancy, made in conformity with the requirements of chapter forty-seven of the resolves of the year eighteen hundred and ninety-five and chapter ninety-six of the resolves of the year eighteen hundred and ninety-six."

In conformity with that act, the State Board of Education has submitted a report which will affect materially school attendance and the employment of child labor, if adopted. The report recommends the extension of the course of instruction for elementary schools, and the number of weeks that these schools shall be in session each year. It recommends raising the age limit for the employment of children in mercantile and manufacturing establishments and the modification materially of the present laws relating to school attendance and the employment of labor. I give some extracts from the report which show the most important changes.

Under the title of "An Act in Relation to School Attendance and Truancy" with other recommendations are the following :

Section 1. Every town and city shall maintain for at least thirty-two weeks in the year a sufficient number of schools for the instruction of all the children who may legally attend a pub-

lic school therein. Such schools shall be taught by teachers of competent ability and good morals, and shall give instruction in orthography, reading, writing, English language and grammar, geography, arithmetic, drawing, the history of the United States, physiology and hygiene, and good behavior. Bookkeeping, algebra, geometry, one or more foreign languages, the elements of the natural sciences, kindergarten training, manual training, agriculture, sewing, cooking, vocal music, physical training, civil government, and such other subjects as the School Committee deem expedient, may be taught in the public schools.

Sect. 5. Any town or city may, and every town and city of ten thousand or more inhabitants shall, maintain annually evening schools for the instruction of persons over fourteen years of age in orthography, reading, writing, English language and grammar, geography, arithmetic, industrial drawing, both free-hand and mechanical, the history of the United States, physiology and hygiene, and good behavior. Such other subjects may be taught in such schools as the School Committee deem expedient.

Sect. 11. Every child between seven and fourteen years of age shall attend some public day school in the town or city in which he resides, during the entire time the public day schools are in session, subject to such exceptions as to children, places of attendance and schools as are provided for in sections three, seven, nine, ten and twelve of this act: *provided*, that the superintendent of schools or, where there is no superintendent of schools, the School Committee, or teachers acting under authority of said superintendent of schools or School Committee may excuse any absence arising from justifiable cause. Every person having under his control a child as described in this section shall cause such child to attend school as required by this section.

Sect. 14. The trustees of the state parental schools shall establish and maintain in suitable places, not at or near a penal or pauper institution, state parental schools, not exceeding four in number, for the instruction and training of persons committed to the custody of said trustees as habitual truants, habitual ab-

sentees or habitual school offenders, as hereinafter provided. Boys and girls shall not be admitted to the same parental schools. Said trustees may take for a state parental school, by purchase or otherwise, any truant school or any real estate.

Sect. 21. Every habitual truant, that is, every child between seven and fourteen years of age who wilfully and habitually absents himself from school contrary to the provisions of section eleven of this act, upon complaint by a school attendance officer, and conviction thereof, shall be committed to the custody of the trustees of the state parental schools, unless he is placed on probation as provided in section twenty-five of this act. Any child so committed may be kept in the custody of the trustees of the state parental schools until he is sixteen years of age.

Sect. 23. Every habitual school offender, that is every child under fourteen years of age who persistently violates the reasonable regulations of the school which he attends, or otherwise persistently misbehaves therein, so as to render himself a fit subject for exclusion therefrom, upon complaint by a school attendance officer, and conviction thereof, shall be committed at the discretion of the court to the custody of the trustees of the state parental schools, or, if a girl, to the state industrial school for girls, and if a boy, to the Lyman school for boys, unless such child is placed on probation as provided in section twenty-five of this act. The trustees of the state parental schools may keep in their custody a child so committed until he is sixteen years of age, and said institutions for the period prescribed by law for persons committed thereto.

Sect. 30. Any person having under his control a child between seven and fourteen years of age, who fails to cause such child to attend school as required by section eleven of this act, for five day sessions or ten half-day sessions within a period of six months while under such control, the physical or mental condition of such child not being such as to render his attendance at school harmful or impracticable, upon complaint by a school attendance officer, and conviction thereof, shall forfeit and pay a fine of not more than twenty dollars. Any person who knowingly induces or attempts to induce any child to absent himself un-

lawfully from school, or knowingly employs or harbors, while school is in session, any child absent unlawfully from school, shall forfeit and pay a fine of not more than fifty dollars.

Under the title of "An Act Regulating the Employment of Labor" with other recommendations are the following:

Section 1. No child under fourteen years of age shall be employed in any factory, workshop or mercantile establishment. No such child shall be employed in any work performed for wages or other compensation, to whomsoever payable, during the hours when the public schools of the town or city in which he resides are in session, nor be employed at any work before the hour of six o'clock in the morning or after the hour of seven o'clock in the evening.

Sect. 2. No child under sixteen years of age shall be employed in any factory, workshop or mercantile establishment unless the person or corporation employing him procures and keeps on file, and accessible to the school attendance officers of the town or city, and to the district police and inspectors of factories, an age and schooling certificate as hereinafter prescribed, and also keep two complete lists of all such children, and of all minors who cannot read at sight and write legibly simple sentences in the English language, employed therein, one on file and one conspicuously posted near the principal entrance of the building in which such children are employed.

Sect. 7. No person shall employ any minor over fourteen years of age, and no parent, guardian or custodian shall permit to be employed any such minor under his control, who cannot read at sight and write legibly simple sentences in the English language, while a public evening school is maintained in the town or city in which such minor resides, unless such minor is a regular attendant at such evening school or at a day school: *provided*, that upon presentation by such minor of a certificate, signed by a regular practising physician and satisfactory to the superintendent of schools or, where there is no superintendent of schools, the school committee, showing that the physical condi-

tion of such minor would render such attendance in addition to daily labor prejudicial to his health, said superintendent of schools or school committee shall issue a permit authorizing the employment of such minor for such period as said superintendent of schools or school committee may determine. Said superintendent of schools or school committee, or teachers acting under authority thereof, may excuse any absence from such evening school arising from justifiable cause. Any person who employs a minor in violation of the provisions of this section shall forfeit for each offence not less than fifty nor more than one hundred dollars for the use of the evening schools of such town or city. Any parent, guardian or custodian who permits to be employed any minor under his control, in violation of the provisions of this section, shall forfeit not more than twenty dollars for the use of the evening schools of such town or city. Complaints for offences under this section shall be brought by inspectors of factories.

If space in this report permitted, I would give the whole of these acts, for it is desirable that they should be generally understood by our citizens, as they affect manufacturing cities like ours to a greater extent than any others.

I give below the number of labor certificates issued from my office during the year. As I have stated in previous reports, a great deal of time is required in issuing these reports. Many parents who apply for them cannot understand English, which makes it difficult to get from them the required information. Some deception is practiced, I fear, in order to obtain the desired certificate, notwithstanding the care that is taken to verify the statements of those whom we have reason to suspect.

EMPLOYMENT CERTIFICATES ISSUED DURING THE YEAR.

Number of certificates issued,		726
For the first time,	683	
Duplicate of certificate,	43	726
Birthplace of those to whom certificates were issued;		
United States,	317	
Canada,	199	
England,	81	
Western Islands,	47	
Germany,	12	
Ireland,	8	
Poland,	8	
Scotland,	2	
Russia,	2	
Brazil,	2	
Brava,	1	
Cape de Verde Islands,	1	
Azores,	1	
Italy.	1	
France,	1	
Hawaiian Islands,	1	
Hungary,	1	
Prince Edward Island.	1	
Spain.	1	
St. Michael,	1	
Sweden,	1	683
Number of illiterates to whom certificates were issued,		241
Vacation certificates issued during the summer vacation,		96

THE SCHOOL WORK.

The year has been uneventful so far as the work in the schools is concerned. No additions have been made to the curriculum and but one marked change in the plan of presenting the various subjects of study. Quiet, earnest effort on the part of the teachers, which has not been disturbed by dissatisfaction with any department, has been productive of good results. General conditions, which are chiefly due to the present trend in family and social life and to which I have alluded in the first pages of this report, have tended to make the school work less effective

than it otherwise would have been, and these will probably continue to operate against the strongest development.

In all the schools the average quality of the instruction was never better nor the feeling between pupils and teachers more cordial and sympathetic. Good teaching and kindly relations between pupils and teachers are the prime essentials in the life of a school. It is a great pleasure to me to be able to report these conditions as existing in the schools to-day.

More parents visit the schools than in former years, and such visits are encouraging and helpful to both teachers and pupils. If parents could all have an acquaintance with the teachers of their children, and could realize by personal observation the difficulties under which teachers labor, and the earnest effort being made by them, I am sure there would be a still more cordial support given the schools and fewer complainants.

The schools have faults, of course, and plenty of them. But there are none more desirous to remedy them than the teachers and other school officials. Just and kindly criticism from those who maintain the schools is always welcomed because such criticism is helpful. Schools need to be surveyed from all points of view and their administration based upon the knowledge thus obtained. Pupils see them from one point, the teachers and superintendent from another, the School Board from another, and the parents and general public from still another; and due attention should be given in administering them to the observations and experience of all these parties, for they are all interested ones and have a right to have their opinions given proper consideration.

The schools are well supplied with material for their work. Never has there been a time when teachers had at their command so good and so extensive means for awakening and stimulating the interest of the pupils, and

such appliances for illustration and experiment. I sometimes feel that they are embarassed with riches and that they do not always make the most judicious use of the many things which they desire, and which are liberally bestowed. There is danger that the results may become superficial from the very methods of presentation. It is not sufficient that pupils shall be brought into contact with the instruments of knowledge in a pleasant way and acquire a certain number of facts because it is an enjoyment to possess them. The power acquired by pupils to think, to compare, and to reason are the tests of their growth. It seems to me that there are lurking dangers in the constant and growing demands for material things for the schools. There is now a sufficient feeling abroad that the public crib is an inexhaustable storehouse for all to draw from who can, and all they can. The schools should do everything possible to counteract this feeling and not to stimulate it. They should be made pleasant and attractive surely, but that which is expended to make them attractive should produce educative values. Teachers should be ever mindful that the schools are workshops wherein are to be made citizens, intelligent, honorable, and purposeful, and anything that seems to tend to the contrary should be distrusted and avoided.

THE HIGH SCHOOL.

The new course of study adopted four years ago for the four-year courses in this school is now in complete working and is proving a wise departure. The laboratory assistant, employed for several years in the school, has been superseded by a regular science teacher. This additional teacher was required by reason of the extension given to the study of science in the school and the introduction of the Commercial course. It is not yet time to speak of

results of the Commercial course. It has been in operation scarcely more than a year, and made a somewhat unfortunate start under the first head of that department. A change was made in teachers last September and the work is already greatly improved in character. But this department is hampered by not having suitable quarters wherein to conduct its work. It is located in the main assembly hall of the school,—the bookkeeping classes at one end and the type-writing classes at the other. The acoustic properties of the hall are such that the noise of one class interferes with the work of the other, and produces a constant nervous strain upon teacher and pupils. It is not desirable to place partitions in the hall. An addition to the High school building is very much needed at once, as I have stated in speaking of school accommodations.

The question of the relation between the grammar schools and the high schools is one of the most prominent in educational circles at this time. There is a growing opinion that with the present requirements in the lower schools too much time is taken in accomplishing the work. It is argued that either the elementary course should be shortened to eight years and an additional year put on the High school course, or that certain studies now confined to the High school should be extended downward into the grammar course.

A number of places have already adopted one of these courses, while others as in our case, are waiting and watching. Many of the large cities of the west have recently reduced their course below the High school to eight years, as well as several here in the east. It some of the smaller cities of Massachusetts, the eight-year course has long prevailed. Pursuing the opposite policy, a number of cities and towns have placed several studies heretofore known as High school studies, as algebra, Latin and French in the upper grades of the grammar schools.

These changes are the result, without doubt, of the recommendations made in the report of the "Committee of Ten," a most important educational document, and one with which all teachers as well as school administrators should be familiar. In this connection it may be well to mention, as food for thought, the result of an inquiry made of the principals of the grammar schools in relation to the number of years it had taken the members of their last graduating classes to complete the elementary course. It was found that of the 171 graduates 43, or 25 per cent., had completed the course in eight years or less. Without doubt, the majority of those who had taken nine years to complete it might have done so in eight with a proper adjustment of the course of study, less attention to unimportant details, and no dawdling on the part of the pupils.

I ask your consideration of these questions in relation to our schools. Under present conditions too much pressure is necessitated in the High school. It is discouraging to both pupils and teachers.

There is every reason to feel gratified with the present condition of the High school in regard to the spirit that prevails there, and the character of the work. If there were more time for the accomplishment of the requirements, more pupils would finish their course, those fitting for college could be prepared without undue pressure, the work broadened for all, and the teachers relieved from a nervous tension to which they now are subjected.

Reference to the statistics given below and furnished by the principal, Mr. Moore, will emphasize some of the points to which I have referred.

No. of pupils who have left school during the year, and causes:

	Boys.	Girls.	Total.
Seniors,	1	1	2
Sub-Seniors,	3	5	8
Juniors,	8	13	21
Sub-Juniors,	17	13	30
	29	32	61

Causes for leaving:

	Boys.	Girls.	Total.
Illness,	3	5	8
Moved from city,	3	4	7
At work,	10	4	14
Neglect of school work,	2	3	5
Not promoted,	9	12	21
Went to private schools,		4	4
Suspended,	2		2
	29	32	61

Graduates of 1897 pursuing advanced courses:

	Boys.	Girls.	Total.
College,	3		3
Harrington Training school (entered January, 1898),		12	12
Swain school,		3	3
Normal Art school, Boston,		1	1
Bridgewater Normal school,		1	1
	3	17	20

Post graduates of 1896 in the High school during 1897, now pursuing advanced courses:

	Boys.	Girls.	Total.
Harrington Training school,		2	2

Pupils entering the High school in September, 1897:

	Boys.	Girls.	Total.
From New Bedford Public schools,	51	68	119
From other schools,	5	6	11
	56	74	130

Post graduates in the High school in 1897:

	Boys.	Girls.	Total.
From January to June,	1	7	8
From September to December,	4	15	19
	5	22	27

Taking the Commercial course in the High school:

	Boys.	Girls.	Total.
Post graduates,		5	5
Sub-Seinors,	6	6	12
Juniors,	13	28	41
Sub-Juniors,	31	21	52
	50	60	110

Intention of present pupils concerning advanced courses.
Classical course, (to enter college without Greek.)

	Boys.	Girls.	Total.
Seniors,	4	1	5
Sub-Seniors,	6		6
Juniors,	3	3	6
Sub-Juniors,	6	1	7
	19	5	24

To enter college without Greek:

	Boys.	Girls.	Total.
Seniors,	3	3	6
Sub-Seniors,	12	10	22
Juniors,	12	22	34
Sub-Juniors,	20	47	67
	47	82	129

To enter Scientific, Medical, or Law School:

	Boys.	Girls.	Total.
Senior class,	1		1
Sub-Senior class,	4	1	5
Junior class,	5		5
Sub-Junior class,	2		2
	12	1	13

To enter the Harrington Training School:

	Boys.	Girls.	Total.
Senior class,		9	9
Sub-Senior class,		5	5
Junior class,		18	18
Sub-Junior class,		33	33
		65	65

To enter a State Normal School:

	Boys.	Girls.	Total.
Senior class,		1	1
Sub-Senior class,		2	2
Junior class,		1	1
Sub-Junior class,		3	3
		7	7

To enter other advanced schools:

	Boys.	Girls.	Total.
Senior class,		3	3
Sub-Senior class,	1	1	2
Junior class,		2	2
Sub-Junior class,			
	1	6	7

HARRINGTON NORMAL AND TRAINING SCHOOL.

The change in the length of course for the normal pupils in this school, which went into operation two years ago, is now in complete working. Hereafter, each normal pupil will serve two years in the school. One class only will be graduated each year after this and one class admitted. The graduating exercises will occur in December, and the new class will enter in the following January, at the beginning of the school term. The two graduating exercises the past year were interesting and instructive, and were attended by a number of the regular teachers of the city as well as by many other friends of the graduates and the school. On one of these occasions, a fine exhibit was given of the work of the children attending the school; at the other, an excellent exposition of the course in normal instruction, and work of the normal pupils. An address on an educational subject was given at each of the graduating exercises: the one in June was given by Prof. Paul H. Hanus of Harvard College, and the one in December, by Supt. George I. Aldrich of Newton, Mass.

The school has never been so well equipped for doing good work as it is to-day. The two last entering classes have been large. At the last examination for admission to the school, twenty-four candidates applied. Sixteen passed, and, as the rules governing the school do not permit classes larger than fifteen in number, one is now on the waiting list. Judging from the High school report, there will be no lack of candidates in the future.

The worth of this school as a preparatory school for teachers of elementary grades in our schools is beginning, evidently, to receive proper recognition. Its standard is high, and nothing should be done to lower it, but rather

to raise it when possible. It is not intended that academic work shall be done in the school by the normal teachers, but professional instruction and training only. The city cannot afford to supply enough teachers for both academic and professional instruction. It is, therefore, necessary that the standard of admission to the school shall be even higher than that for the State Normal schools, wherein both academical and professional instruction are given. For this reason, I feel that any reduction of the admission examination will tend to lessen the efficiency of the school, and trust that it will not receive support.

I subjoin the usual statistics, which are supplied by the Principal:

Pupil-teachers enrolled during the year,	28	
Pupil-teachers admitted to the junior class,	14	
Pupil-teachers graduated,	10	
Pupil-teachers resigned,	5	
Pupil-teachers in senior class, January, 1898,	12	
Pupil-teachers admitted January, 1898,	15	
Days substituting by pupil-teachers,	205	
Days absence for other causes	59	1–2

GRADUATES.

June, 1897.	December, 1897.
Agnes Dunham Allen,	Grace Winifred Dillingham,
Florence Morgan Anthony,	Nellie Elthea Gibson,
Mary Prescott Brownell,	Jennie Agnes Murphy,
Henry Kollock Covell,	Clara Jane Wetherell.
Cecilia Agnes Deane,	
Mary Veronica Perry.	

SPECIAL DEPARTMENTS.

Drawing is acquiring greater recognition everywhere as its importance as an educational factor and its true relation to school work become more generally understood.

This department in our schools is achieving an enviable reputation from the excellency of the results obtained and the judicious correlation that has been brought about between it and the other studies. The credit is due to the unremitting efforts of the supervisor and the hearty cooperation of the teachers. Such harmonious action in any department cannot fail to secure good results, especially when it is directed by so intelligent a purpose as is the case in this one. In addition to the many grade meetings held by the supervisor, voluntary classes are being formed by her for the teachers; these the great majority of them have indicated their intention of attending. It speaks as well for the relation between supervisor and teachers as for the zeal of both to make the drawing as good as possible. The teachers are called upon to attend many meetings of various kinds, and these are all held in other than school hours. Their willingness to attend voluntary classes in addition, betokens a most commendable professional spirit.

In music and nature study the work has been conducted on the same lines as for the past few years; the supervisors of both are efficient and diligent. A criticism is heard occasionally that the instruction in music is emphasized too much on the technical side and that the pupils of the higher grades especially do not render songs with the expression that is desirable. I think there is some ground for this criticism, and the fault is most noticeable in the High school. Enthusiastic response to teaching is one of the most difficult things to secure from pupils in any branch of study, and is dependent almost entirely upon the

personality of the teacher. Advanced pupils are much less responsive than younger ones especially in such work as requires oral expression. How much ought to be expected from the pupils in the rendering of songs at the end of their school course is an open question. I am sure that the instruction in this subject is painstaking and thorough in all the grades of school, and that the results are on the whole good.

In the branches known distinctively as manual training, namely—sloyd, cooking, and sewing, the work during the year has been very satisfactory. The teachers are all thoroughly competent and enthusiastic in their particular lines. The sloyd should be supplemented by an advanced course in wood and metal work. The principal is exceedingly desirous that this may be done soon and has fitted himself to conduct such a course. But this cannot be done until other quarters are provided for the school. The principal of the sewing department resigned in June after many years of devoted service in the schools. Another was chosen who had specially prepared herself to carry on this work in accordance with modern and approved methods. Some changes have already been instituted which will undoubtedly prove beneficial.

TEACHERS AND PERMANENT TENURE OF OFFICE.

For a number of years the question of permanent tenure of office for the teachers of the city has been under consideration by your Board. In my report for the year 1894, I recommended that all teachers who had served the city acceptably for at least three years should be elected to serve during the pleasure of the Board.

At the election in 1895, those of the primary teachers who had served three years or more were so elected; but

there was a disagreement in regard to those of the other departments which prevented the extention of this act to them.

For two years the Board took no further action in the matter, and the condition became that some of the primary corps were on the permanent list while others of them were not, and none of the teachers of the other departments were on this list. The injustice of this condition was apparent, and at the regular election of teachers this year all teachers who had taught in the schools for at least three years were elected to serve hereafter during the pleasure of the Board.

This act of the Board, I am sure, will prove beneficial to the schools. The teachers will be none the less faithful in the performance of their duties, but on the contrary will be stimulated to deserve still more the confidence bestowed upon them by the Board.

School Boards, by the adoption of permanent tenure, do not surrender any of their power to remove teachers for cause. Why then subject all teachers each year to the ordeal of an election and the publicity attending it. If the idea is to hold teachers to make their best efforts, it seems to me that it is touching the wrong springs of motive and at the same time placing conscientious and efficient teachers in the same category with those who are neither. It is claimed by the opponents of permanent tenure that it is difficult frequently to dismiss teachers who are inefficient under the annual election plan, and that it will be more difficult under the permanent tenure plan. Admitting this to be true, the fact remains that a majority of the Board may dismiss a teacher at any time; the permanent tenure plan means simply election during the pleasure of the School Board. Surely teachers should not be dismissed except for good causes, and if a majority of a Board cannot be convinced that the reasons presented for

dismissal are sufficient, I believe that it is better for the interests of the schools as a whole that such teachers should be retained until a majority is so convinced, rather than subject all teachers to an annual election.

For some years after the passage of the act permitting School Boards of the state to elect teachers to serve during the pleasure of the Board, the Boards of few places availed them of the privileges of the act; but in the last few years there has been a decided change of opinion; now there are one hundred thirty-six cities and towns of the state in which the teachers are elected during the pleasure of the School Board. I believe that in a few years it will become the general custom, and that the effect will be to attract still better talent into the teaching profession, and in that way and in others place the schools on a still higher plane than they are to-day.

There are employed in the day schools of the city 206 teachers, and in the evening schools 66. Of the teachers of the day schools, 116 are on the permanent list, so called, they having taught three years in the city. In June, 16 more will be eligible for that list. Some of these teachers have been on the permanent list for two years. I have not observed any remittance of effort on the part of one of them; nor have I found one less willing to receive kindly suggestion or criticism than before the permanent list was created; neither do I expect this to be the case in the future.

The teachers of our schools are worthy the confidence and support that are given them. The longer I am associated with them the more I am convinced that they are faithful to their trust and welcome the means by which they may improve themselves in knowledge and methods of teaching that they may better fulfil that trust. Unfortunately, our teachers do not have all the opportunities they should have in these respects. Once, at least, each

month they should have provided for them free of expense a lecture bearing directly or indirectly on their professional work. A course of lectures on history, literature, art and the like, given the teachers by well known authorities on those subjects, would not only stimulate the work along those lines in the schools, but would tend to broaden it much. A few hundred dollars expended this way each year from the income of the Sylvia Ann Howland fund would be the wisest use to which part of the money from that fund could be put.

During the year there were twenty-three appointments to the teaching corps; of these, six were graduates of the Harrington Normal and Training school. Fourteen of the appointments were made to fill vacancies caused by resignations; and nine were additions to the corps necessitated by increased enrollment or by other demands of the schools. An analysis of the resignations shows the causes to be as follows:

To marry,	5
To accept another teacher's position,	1
To engage in other occupations,	2
Ill health,	2
Unsatisfactory (on trial),	4
Total,	14

Many of the changes that come each year are to be regretted; they entail more or less interruption in the work and consequent loss to the pupils; but they cannot be avoided, and must be reckoned with in matters pertaining to school economy. There is one encouraging feature to offset these changes; the number of well educated and trained applicants is increasing. I find it much easier to procure good teachers to-day than I did five years ago.

The appointments, resignations, leaves of absence and transfers for the year 1897 are given below:

APPOINTMENTS.

Ernest V. Page,	Commercial Teacher, High school.
Annah P. Hazen,	Assistant to Science Teacher, High school.
Emma H. Parker,	Assistant to Science Teacher, High school.
Ida M. Clement,	Assistant Middle Street Grammar school.
Grace E. Weeks,	Assistant Thompson Street Grammar school.
Ida A. Ricker,	Phillips Avenue, Primary department.
Helen K. Covell,	Philips Avenue, Primary department.
Helen I. Boyd,	Phillips Avenue Primary department.
Cora E. Clay,	I. W. Benjamin Primary school.
Florence M. Anthony,	I. W. Benjamin Primary school.
Cecilia A. Deane,	I. W. Benjamin Primary school.
Flora A. Pearl,	I. W. Benjamin Primary school.
Mary F. Livingston,	I. W. Benjamin Primary school.
Mary E. Ward,	I. W. Benjamin Primary school.
Mary P. Brownell,	Cedar Grove Street Primary school.
Agnes D. Allen,	Cedar Grove Street Primary school.
Mary V. Perry,	Cedar Street Primary school.
Clara L. Bennett,	Clark Street Primary school.
Sarah F. Pratt,	Dartmouth Street Primary school.
Annie C. Maxfield,	Acushnet school.
Agnes J. Butler,	Clark's Point school.
Eudora Larence	Plainville school.
Lena M. Willis,	Sewing teacher.

RESIGNATIONS AND DISMISSALS.

Annah P. Hazen,	Assistant in High school.
Byrd A. Peters,	Commercial Teacher in High school.
Annie Sanburn,	Assistant in Phillips Avenue school.
Cora E. Clay,	Assistant in I. W. Benjamin school.
Edith K. Weeden,	Assistant in Cedar Grove Street school.
Agnes F. Barker,	Assistant in Cedar Grove Street school,
Mabel A. Warner,	Assistant in Cedar Street school.
Carrie L. Chapman,	Assistant in Clark Street school.
Ruth E. Howland,	Assistant in T. A. Greene school.
Agnes J. Butler,	Assistant in Clark's Point school.
Angenette Chace,	Assistant in Parker Street school.
Ethel S. Parker,	Assistant in Thompson Street school.
M. Evelyn Holloway,	Assistant in Merrimac Street school.
Carrie H. Richmond,	Sewing teacher.

ABSENT ON LEAVE.

Lizzie M. Briggs,	Thompson Street school.
Annie S. Homer,	Cedar Street school.
Addie West,	Merrimac Street school.
Mary L. Hillman,	Unassigned.

TRANSFERS.

Agnes J. Dunlap,	From Middle Street to Phillips Avenue.
Clara M. Woodward,	From Parker Street to Phillips Avenue.
Susan Gifford,	From Parker Street to Phillips Avenue.
Alice A. Richardson,	From Parker Street to Phillips Avenue.
Alice J. Lawrence,	From Thompson Street to George H. Dunbar.
Angela F. Bowie,	From Thompson Street to George H. Dunbar.
Mary L. Rogers,	From Thompson Street to George H. Dunbar.
Helen G. Malley,	From Thompson Street to I. W. Benjamin.
Anna H. Bartlett,	From Clark's Point to Thompson Street.
Bertha C. Hathaway,	From Acushnet Avenue to T. A. Greene.
Sylvia W. Paulding,	From Cedar Grove Street to Acushnet Avenue.
Dora A. DeWolf,	From I. W. Benjamin to T. A. Greene.
Louise M. Newhall,	From Cedar Grove Street to Phillips Avenue.
Grace B. Ashley,	From Plainville to Clark Street.
M. Eva Schwall,	From Dartmouth Street to G. H. Dunbar.
Grace H. Potter,	From Dartmouth Street to G. H. Dunbar.
Sarah E. Slade,	From Dartmouth Street to G. H. Dunbar,
Ella W. Keene,	From Merrimac Street to I. W. Benjamin.
Charlotte C. Carr.	From Acushnet to North Mill.

TEMPORARY.

Alice P. Terry.
Janet Hunter.
Grace A. Arms.
Helen L. Simmons.
Mary A. Cowles.

MEDICAL INSPECTORS.

In my visits to the schools, teachers have frequently directed my attention to children with so little mental capacity that they could not acquire the simplest rudiments of knowledge in the time the teacher could give them, if at all, and who did nothing more than sit out the years in school to their own detriment and that of their classmates; and to others who had only enough

ability to master a small part of the work. What to do with these pupils has been a puzzling question, both to the teachers and to me. Experts on feeble-minded children tell us that it is wrong that they and their stronger classmates should associate and be brought into daily competition with each other. Unfortunately, the parents of the feeble-minded children usually feel that they will be benefited by association with normal children, and insist that they shall be kept in the schools: besides some of the parents are so poor or ignorant that they do no know how to provide anything better for them, if they desired to do so. Some cities are organizing special schools for these unfortunates, which are under the charge of specially trained teachers, who care for them as they should be, and who develop in each individual the small capabilities he possesses. The worst cases cannot be cared for, however, even in these schools; the parents of these are advised to send them to some institution founded for the care and instruction of such children, and assisted to do so, if it is necessary.

Again I find in the schools very many children suffering from defective eyesight, or hearing, or other physical ailments, which are injuring their health and retarding their mental development; many of these are not apparently receiving any treatment for their disorders. At my request, last April, the teachers reported to me the number of children in the schools who were suffering from the above mentioned defects. The reports were as follows:

(a)	Number children with defective eyesight,	446
(b)	Number children with defective hearing,	125
(c)	Number of children with other physical defects, other than enumerated in (a) and (b),	113
(d)	Number children mentally deficient,	126
	Total,	810

Therefore, 810 children, or 11.5 per cent. of the average number belonging in the schools, according to the observations of the teachers, were physically or mentally defective. Many of these who were physically defective were being treated for their disorders, but many were not; those mentally defective were receiving only the ordinary care of their homes and of school.

Still further, there are children who come to school who are afflicted with cutaneous diseases, some of which are contagious; others come when in the incipient stages of diphtheria, or scarlet fever, or some other disease, any of which may be given to their schoolmates. Such children are sent home, of course, as soon as the teacher suspects anything wrong, and such precautions taken to prevent contagion as are within his power. But the teacher is not a medical expert, and cannot be expected to know much about the symptoms of disease, and the many cares of the schoolroom prevent his detection of some cases that he might otherwise discover.

Being strongly impressed with the feeling that the schools ought to be under constant inspection to prevent the spread of disease, and that the school authorities should have the advice of experts in dealing with pupils who are physically or mentally defective, I presented to your Board last May the subject for your consideration. You agreed with me that the schools needed medical inspection and supervision. The opinion of the City Solicitor being asked as to the authority of the Board to appoint medical inspectors and pay them from the school appropriation, he rendered the following opinion:

New Bedford, Mass., Aug. 16th, 1897.

Mr. William E. Hatch,
Superintendent of Schools.

My Dear Sir:—

In reply to your communication of the 13th inst., I beg leave to submit the following opinion:

By Pub. Stats. C. 44, section 21, a school committee "shall have the general charge and superintendence of all the public schools in the town."

By section 28, a school committee is empowered to select and contract with the teachers of the public schools.

Section 43 authorizes the appointment of a "superintendent, who, under the direction and control of said committee, shall have the care and supervision of the public schools."

By section 46, "Every town not divided into school districts shall provide and maintain a sufficient number of schoolhouses, properly furnished and conveniently located for the accommodation of all the children therein entitled to attend the public schools; and the school committee, unless the town otherwise directs, shall keep such houses in good order, and shall procure a suitable place for the schools, where there is no school, and provide fuel and all other things necessary for the comfort of the scholars therein, at the expense of the town. A town which for one year refuses or neglects to comply with the requirements of this section shall forfeit not less than five hundred nor more than one thousand dollars, to be paid, apportioned and appropriated as provided in sections 19 and 20."

By section 50, The school committee of a town in which the school district system does not exist shall have the general charge and superintendence of the schoolhouses therein, so far as relates to the uses to which the same may be appropriated.

By section 51, "Except as may be otherwise provided in their respective charters or in acts in amendment thereof, the provisions of this chapter, so far as applicable, shall apply to cities."

By Stats. 1894, C. 498, section 20, school committees are empowered to appoint and fix the compensation of two or more suitable persons, to be designated truant officers.

By Ordinances 1896, chap. 8. sect. 5, "The school committee shall, subject at all times to the direction of the city council, have the care and custody of the schoolhouses and of all other property connected with the public schools, and shall take all necessary measures for keeping the same in a condition to be used for the purposes of the schools. All fixtures and furniture required for the use of the schools shall be procured by them."

Without going further into minor details, I regret to be compelled to say that I do not find any authority for the appointment, by your committee, of a medical inspector to be paid from the appropriations of the school committee. The powers and duties of the school committee are purely statutory or specially conferred by the charter and ordinances of the city of New Bedford.

I find nothing which would warrant any such inference, outside of the language quoted above, authorizing your committee to "provide

fuel and all other things necessary for the comfort of the scholars therein, at the expense of the town."

The penalty affixed to a refusal or neglect to comply with that requirement precludes such a construction.

The city ordinances empower your committee to employ janitors and expend money for the proper care of the schools.

The statute authorizes you to make proper rules and regulations as to the management of schools; it authorizes you to employ teachers; it authorizes you to appoint truant officers; but no such official as a medical inspector was known to the law, and I find no recognition of any such office or official in the subsequent legislation of this commonwealth.

While I have not had the time at my disposal to go fully into the question, I will offer the suggestion, that I know of no reason why your committee cannot obtain the desired authority from the City Council to appoint medical inspectors in any manner the School Committee may deem expedient.

I am very truly yours,

THOMAS F. DESMOND,
City Solicitor.

Acting upon this opinion, your Board asked the City Council to take the necessary action. It failed to do so before the expiration of its term of office. I recommend that your Board ask the present City Council to grant your request in this matter, for I consider it one of great importance to the welfare of the schools.

KINDERGARTENS.

After a great deal of discussion of the advisability of adding kindergartens to the school system of the city, a discussion which extended over several years, during which public meetings were held by the friends of the measure and a number of communications were published in the newspapers advocating it, your Board requested from the City Council a special appropriation of $1800 with which to open several such schools in different sections of the city and continue them for one term as an experiment, and for the purpose of demonstrating whether

there was a general desire for these schools by our citizens. Your Board was convinced of the educational value of this class of schools for some time before it asked for the appropriation for them; but it hesitated to advocate them because it was not sure that it was justified in asking for an addition to the schools when there were not sufficient accommodations for the primary pupils, and to maintain which would entail a large additional expenditure, and for which there might not be a general demand.

But as I have stated, the Board decided to make the trial. The money was granted by the City Council and the schools were opened in September in three different sections of the city, the north, the south and west. It was decided at the start to deviate materially from the general plan of organization that prevails in eastern states for these schools. The Board felt that kindergartens should conform somewhat to the plan of organization which rules in all other grades of the schools if they are to become a permanent part of the school system. In the primary schools a teacher of the lowest grade has the care and instruction of forty to fifty pupils with two sessions, forenoon and afternoon; while in the kindergarten, it is asserted by many that there should be two trained teachers and sometimes an untrained helper additional and that they should hold but one session a day. Such an arrangement, taking together the number of pupils and the time given to teaching as the unit of measure, would make the actual cost of instruction per pupil alone over four times the cost per pupil of the next grade, the lowest primary.

Your Board felt that such an arrangement would entail an unwarrantable ratio of expense for the maintenance of kindergartens, and was an unjust discrimination against the teachers in the other grades of school. It did not believe that the labor of two trained kindergarteners in each

room with forty to fifty pupils and holding session both forenoon and afternoon with a different class of pupils for each session would be any greater or more wearing than that of a primary teacher with one set of pupils for the same time.

Therefore, the plan determined upon for the kindergartens to be opened here was as follows:

1. Each kindergarten should hold two sessions a day, if the number of pupils made it necessary, each session being two and a half hours long.

2. That there should be two trained kindergarteners in each school, both of whom should teach in each session, and that their salaries should be the same as that paid regular primary teachers.

3. That the number of pupils admitted should in no case exceed fifty for any session and that no pupil should attend more than one session a day.

Under this plan the three kindergartens were opened capable of accommodating three hundred pupils instead of one hundred fifty, as would have been the case with the one-session plan.

The South school holds its morning session in the chapel of St. Martin's church, and the afternoon session in the City Mission chapel, both of these places being rented for the purpose, as there was no spare room in any of the schoolhouses in that part of the city. The north school is located in the Cedar Grove street schoolhouse, and a primary grade has since been transferred from that building to hired quarters in consequence. The west school is located in the Henry F. Harrington schoolhouse. The teachers are all trained kindergarteners: two of them had had charge of Mission schools here for several years; three are graduates of the New Bedford High school and of either a normal or a kindergarten training school; the

other is a graduate of the Bridgewater Normal school and had had training and experience in the kindergarten department of that school.

Notwithstanding the fact, however, that the schools have been well conducted and have met with the approbation of the parents of the pupils who attend them, the attendance has been less than half the number that the schools could accommodate, and far below the number that your Board had reason to expect would attend them. In the Harrington school but one session a day has been held owing to an insufficient number of pupils for two sessions. In the Cedar Grove Street school a sufficient number of pupils has attended to warrant two sessions but part of the time, and a number of these were pupils over five years of age, and who belonged, therefore, in the primary grade. In the South school, by reason of holding the forenoon session in one district and the afternoon session in another, the enrollment has been larger, but even there twice as many more could have been accommodated. I give below the attendance in each school for the term:

	Enrollment.	Av. No. belonging.	Av. daily. attendance.
Cedar Grove Street school,	62	53	47
Harrington school,	41	38	34
South school,	79	55	52
Totals,	182	146	133

The cost per pupil for a kindergarten pupil has so far been twice that of a primary pupil with half the time of schooling; therefore the proportionate expense has been four times as much, and must continue unless the attendance is double that which it has been.

I am a firm believer in kindergartens, and have so expressed myself before; but I also firmly believe economical questions must have proper consideration in school ad-

ministration. The cost of kindergartens under the one-session plan is too great to warrant their maintainance on that plan. If there is not sufficient appreciation of this class of schools on the part of the parents of the city to support the double plan, as much as I should dislike to see kindergartens abandoned here, I should feel it my duty to advise their discontinuance. Your Board has asked the City Council for money to continue the kindergarten until the close of the summer term. I sincerely hope that the attendance in these schools for the remainder of the year will justify their permanent continuance.

Respectfully submitted,

WM. E. HATCH,

Supt. of Schools.

LIST OF TEACHERS.

HIGH SCHOOL.

Summer Street, between Mill and North Streets.

Charles S. Moore, principal,	25 Seventh street,	$2,750
Charles T. Bonney, sub-master,	95 Orchard street,	1,600
Charles R. Allen, science teacher,	276 Union street,	1,600
William K. Norton math'l teacher,	351 County street,	1,600
Ernest V. Page, commercial teacher,	115 Mill street,	1,100
Elizabeth P. Briggs assistant,	37 Morgan street,	900
Lydia J. Cranston, "	129 Elm street,	900
Mary E. Austin, "	512 Kempton street,	900
Lucretia N. Smith, "	443 Cottage street,	900
Emma K. Shaw, "	72 High street,	900
Helen L. Hadley, "	198 Grinnell street,	900
Mabel W. Cleveland, "	81 North street,	900
Emma H. Parker, "	35 Eighth street,	800
Katharine M. Crabtree, "	26 Seventh street,	800
Edmond E. Baudoin, milit'y inst'r,	92 Washington street,	300
Sarah D. Ottiwell, clerk,	184 Kempton street	600

GRAMMAR SCHOOLS.

FIFTH STREET:

Fifth Street, corner of Russell Street.

Grade.			
	Allen F. Wood, principal,	111 Acushnet avenue,	$1,900
9	Lydia A. Macreading, assistant,	33 Bonney street,	675
9	N. Emma Slack, "	76 Fifth street,	675
8	Mary E. Allen, "	25 Madison street,	600
8	Sarah E. Stoddard, "	352 County street,	600
7	Emma A. McAfee, "	63 Fifth street,	600
7	Mary W. Leymunion, "	56 South Emerson street,	600
6	Annie C. Hart, "	54 Fourth street,	600
6	Mary A. Kane, "	127 Grinnell street,	600
5	Grace L. Carver, "	62 Bedford street,	600
5	Lottie M. Allen, "	118 Fifth street,	600

MIDDLE STREET:

Summer Street, between Elm and Middle Streets.

	George H. Tripp, principal,	Fairhaven,	$1,900
9	Lucy B. Fish, assistant,	215 Maxfield street,	675
9	Lucy F. Winchester "	Fairhaven,	675
8	Etta M. Abbott, "	233 Middle street,	600
8	Anastasia O'Keefe "	35 Mill street,	600
7	Lizzie E. Omey, "	63 Thomas street,	600
7	Julia C. Gifford, "	18 Bedford street,	600
6	Clara S. Vincent, "	233 Middle street,	600
6	Helen McCoy, "	16 Fifth street,	600
5	Ida M. Clement, "	175 William street,	600
5	Elizabeth D. Hicks, "	98 Hillman street,	500

PARKER STREET:

Parker Street, near County Street.

Grade.			
	Nelson Freeman, principal,	87 State street,	$1,900
9	Anna L. Jennings, assistant,	215 Maxfield street	675
9	Helen Ring, "	271 Union street,	675
8	Susan H. Lane, "	91 State street,	600
8	Emma D. Larrabee, "	14 Parker street,	600
7	Regina M. Paul, "	29 Parker street,	600
7	Clara J. Wetherell, "	27 Sherman street,	425
6	Elizabeth B. Brightman, "	14 Parker street,	600
6	Martha A. Hemenway "	17 Lincoln street,	600
6	Mary L. Pettey, "	22 Pope street,	600
5	Emily A. Delano, "	East Freetown,	600
5	Daisy M. Butts, "	116 Willis street,	600
5	Mariana N. Richmond, "	34 High street,	600

THOMPSON STREET:

Thompson Street, corner of Crapo Street.

	Alice C. Munsey, principal,	560 County street,	$1,200
6	Cora B. Cleveland, assistant,	81 North street,	600
6	Elizabeth M. Briggs, "	351 County street,	600
6	Grace E. Weeks, "	35 Eighth street,	600
5	Mary A. Macy, "	90 Bedford street,	600
5	Annie L. Murkland, "	55 Walnut street,	450
5	Charlotte M. Murkland, "	55 Walnut street,	500
5	Anna H. Bartlett, "	16 Fifth street,	450

PHILLIPS AVENUE:

Phillips Avenue, corner Bowditch Street.

Grammar Department.

Grade.				
7	Agnes J. Dunlap,	principal,	131 Summer street,	$ 900
6	Clara M. Woodward,	assistant,	North Acushnet avenue,	600
5	Alice A. Richardson,	"	Hathaway road,	550
5	Susan Gifford,	"	Fairhaven,	450

Primary Department.

4	Louise M. Newhall,	"	232 Pleasant street,	550
3	Ida A. Ricker,	"	65 Chestnut street,	550
2	Helen K. Covill,	"	446 County street,	400
1	Helen I. Boyd,	"	65 Chestnut street,	550

HARRINGTON NORMAL AND TRAINING SCHOOL:

Court Street, corner of Tremont Street.

Josephine B. Stuart,	principal,	417 Union street,	$1,700
Mary E. Trask,	vice-principal,	79 North street,	1,100
Carolyn D. Wood, normal teacher and nature supervisor in primary grades,		157 Kempton street	900
Belle Almy,	assistant,	201 Cottage street,	550
Fannie M. Spooner,	"	70 Morgan street,	550
Kate Moore,	"	105 Park street,	600
Grace W. Russell,	"	152 Purchase street,	550
Seniors—To graduate in December:			Per week.
Mary E. Boardman,		54 Weld street,	$4.00
Ethel E. Clapp,		234 Coffin avenue,	4.00
Helen L. Corish,		86 Mill street,	4.00
Alice E. Higham,		61 Locust street,	4.00
Carolyn S. Jones,		55 Court street,	4.00
Rose M. Meany,		220 North street,	4.00
Hannah E. Norton,		45 Smith street,	4.00
Harriet S. Ashley,		16 Crapo street,	4.00
Mary E. Peckham,		55 Walnut street,	4.00
Mary J. Read,		1 North Ash street,	4.00
Minnie H. Smythe,		32 Parker street,	4.00
Harriet J. Thorpe,		10 Richmond street,	4.00
Juniors:			
Eudora K. Barry,		285 Cedar street,	
Ethel Bliss,		233 Arnold street,	
Kate W. Chase,		10 Fair street,	
Edith L. Cornish,		77 Bedford street,	

Adelaide M. Cota,	85 Morgan street,	
Emily W. Davis,	Corner Bay and Ward streets,	
Elizabeth A. Dunn,	81 South Chancery street,	
Mary E. Gleason,	276 Fourth street,	
Louise E. Hicks,	98 Hillman street,	
Bertha E. Jenney,	416 Union street,	
Catherine A. McGuinness,	185 County street,	
Mabel I. Paine,	87 State street,	
Mary L. Sisson,	183 Grinnell street,	
Mary W. Snow,	68 Parker street,	
Annie H. Taber,	257 Pleasant street,	
Kindergarten Department:		
Mary B. Pratt,	20 Seventh street,	$550
Ada S. Blake,	183 Kempton street,	400

PRIMARY SCHOOLS.

ACUSHNET AVENUE:

Acushnet avenue, near Grinnell street.

Grade.				
	Jane C. Thompson,	principal,	89 Washington street,	$750
4	Hattie L. Finlan,	assistant,	186 County street,	550
4	Sarah E. Kirwin,	"	101 South Sixth street,	550
3	Nellie A. Walker,	"	64 Russell street,	550
3	Mary C. Barstow,	"	337 South Orchard street,	550
3 & 2	Caroline S. Silva,	"	81 Washington street,	550
2	Margaret H. Holmes,	"	661 County street,	550
2	Harriet L. Cornell,	"	163 Middle,	550
1	Julia M. Pilling,	"	96 South Sixth street,	550
1	Lida J. Brightman,	"	111 Acushnet avenue,	550
1	Sylvia W. Paulding,	"	89 Fourth street,	425

I. W. BENJAMIN:

Division street, between Acushnet avenue and Second street.

Grade.				
	Jane E. Gilmore	principal,	245 Acushnet avenue,	$925
4	Susan M. Tompkins,	assistant,	399 Union street,	550
4	Nellie W. Davis,	"	115 Summer street,	550
3	Lila D. Haney,	"	106 Fourth street,	500
3	Marion H. Swasey,	"	25 South Emerson street,	550
3	Alice A. Taylor,	"	299 County street,	550
2	Sophie T. Anthony,	"	180 Fourth street,	500
2	Florence M. Anthony,	"	192 Grinnell street,	400
2	Helen G. Malley,	"	70 Rockland street,	550
1	Annie C. O'Connor,	"	299 County street,	550
1	Emma L. Gartland,	"	51 Washington street,	550
1	Laura C. McCabe,	"	153 Grinnell street,	500
1	Mary F. Livingston,	"	64 Russell street,	550

I. W. Benjamin Annexes:

Meaney's Hall, corner South Water and Division streets.

Grade.				
4 & 3	Ella W. Keene,	assistant,	131 South Second street,	$425
2	Flora A. Pearl,	"	35 Eighth street,	550
1	Jeannette B. Fuller,	"	34 Grape street,	400

South Primitive Methodist Church, County street, near Thompson street.

Grade.				
1	Cecilia A. Deane,	assistant,	77 Fifth street,	$400
1	Mary E. Ward,	"	431 Purchase,	450

Cedar Street:

Cedar street, corner of Maxfield street.

Grade.				
4	Annie S. Homer,	principal,	117 Hillman street,	$675
3	Bessie P. Pierce,	assistant,	Hathaway road,	550
2	Abbie D. Whitney,	"	59 Hill street,	550
2	Annie L. Edwards,	"	62 North street,	550
1	Mabel L. Hathaway,	"	3 Lincoln street,	550
1	Ruth M. Tripp,	"	399 Union street,	550

Cedar Street Annex:

In Spruce Street Church.

Grade.				
4 & 3	Mary V. Perry,	assistant,	93 Bedford street,	$400

Cedar Grove Street:

Cedar Grove Street, near Acushnet avenue.

Grade.				
	Maria B. Clark,	principal,	114 Mill street,	$900
4	Kate Sweet,	assistant,	287 Kempton street,	550
4	Minnie C. Ritter,	"	Court street and Rotch av.,	550
3	Julia W. Corish,	"	86 Mill street,	550
3	Alice P. Winchester,	"	Fairhaven,	550
3	Agnes D. Allen,	"	Fairhaven,	400
2	Annie G. Brawley,	"	68 Walden street,	550
2	Sara Peckham,	"	55 Walnut street,	500
2	Gillian M. Gordon,	"	38 Fifth street,	450
2	Mary P. Brownell,	"	109 Campbell street,	400
1	Harriet A. Taylor,	"	114 Willis street,	500
1	Ruth E. Pease,	"	658 County street,	550
1	A. Gertrude Wheaton,	"	345 Cottage street,	550
1	Grace N. Bramhall,	"	175 William street,	525
1	Grace W. Dillingham,	"	66 Willis street,	400

KINDERGARTEN DEPARTMENT.

Anna Hill,	35 Eighth street,	$500
Florence L. Davis,	64 Willis street,	425

CEDAR GROVE STREET ANNEX:

In Lowe Block.

Grade.			
3	Isabella F. Winslow,	506 Purchase street,	$550

CLARK STREET:

Clark street, corner Myrtle street.

Grade.			
4	Elizabeth P. Spooner, principal,	129 Hillman,	$725
4 & 3	Grace B. Rounsevell, assistant,	60 Spring street,	425
3	Isabella Luscomb, "	245 Cedar street,	550
2	Annie S. Ray, "	175 William street,	550
2	Lucia E. Bliss, "	132 Arnold street,	500
1	Esther W. Paul, "	Cor. Union & Palmer sts.,	450
1	Lucy S. Leach, "	163 Maxfield street,	550
1	Clara L. Bennett, "	107 Summer street,	400

CLARK STREET ANNEX:

In Linden Street School building.

Grade.			
3	Martha D. Shute, assistant,	16 Fifth street,	$550

CANNONVILLE:

Rockdale avenue.

Grade.			
4 & 3	Adelaide J. McFarlin, principal,	Cor. Cottage & Kempton,	$575
2 & 1	Florence A. Poole, assistant,	168 Mill street,	550

DARTMOUTH STREET:

Dartmouth street, corner Hickory street.

Grade.			
4	Isadore F. Eldridge, principal,	44 Sherman street,	$675
3	Sarah F. Pratt, assistant,	3 Lincoln street,	550
3	Edith M. B. Taber, "	82 Walden street,	550
2	Nellie H. Cook, "	Masonic building,	550
2	Carrie W. Bliss, "	233 Arnold street,	450
1	Annie F. Smith, "	34 Bonney street	$550
1	Sara H. Kelley, "	175 William street,	550

GEORGE H. DUNBAR:

Dartmouth Street, corner Dunbar Street.

4	M. Eva Schwall,	principal	21 Bonney street,	675
3	Sarah E. Slade,	assistant,	37 Allen street,	500
3 & 2	Angela F. Bowie,	"	111 Dartmouth street,	550
2	Mary L. Rogers,	"	97 Acushnet avenue,	450
1	Grace H. Potter,	"	100 Madison street,	550
1	Alice J. Lawrence,	"	351 County street,	550
1	Jennie A. Murphy,	"	301 Arnold street,	400

THOMAS A. GREENE:

Fourth Street, corner Madison Street.

4	Sarah H. Cranston,	principal,	129 Elm street,	725
4	Bertha C. Hathaway,	assistant	269 Arnold street,	425
3	Dora A. DeWolf,	"	169 Middle street,	550
3	Eliza H. Sanford,	"	112 Fourth street,	550
2	Sarah E. Sears,	"	350 County street,	550
1	Lillie C. Tillinghast,	"	60 Fifth street,	550
1	Annie L. Macreading,	"	33 Bonney street,	550
1	Caroline E. Bonney,	"	152 Bonney street,	550
1	Nellie E. Gibson,	"	118 South Sixth street,	400

SYLVIA ANN HOWLAND SCHOOL:

Pleasant Street, between High and Kempton Streets.

Grade.				
4	Carrie E. Footman,	principal	72 State street,	$625
3	Mary J. Graham,	assistant	82 Court street,	550
2	Helen J. Kirk,	"	27 Franklin street,	550
1	Ruth E. Wilde,	"	35 Chestnut street,	450
1	Amelia Lincoln,	"	87 Walden street,	550

MERRIMAC STREET:

Merrimac Street, corner State Street.

1	Harriet S. Damon,	principal,	223 Pleasant street,	650
1	Ella M. Robinson,	assistant,	271 Pleasant street,	550
1	Grace A. Arms,	"	35 Eighth street,	400
2	Anna I. Dexter,	"	11 Franklin street,	550
3	Addie West,	"	232 Pleasant street,	550
4	Julia A. Ellis,	"	206 Purchase street,	550

MARY B. WHITE:

Maxfield Street, corner Pleasant Street.

1	Elizabeth Bennett,	principal,	107 Summer street,	600
2	Annie E. Pearce,	assistant,	151 Hillman street,	550
3	Clara C. M. Gage,	"	78 Mill street,	550
4	Mary E. Pasho,	"	169 Grinnell street,	550

SOUTH KINDERGARTEN:

Wilhelmina Humbert, principal,	95 Elm street,	$550
Josephine H. Cobb, assistant,	117 Washington street,	400

Morning session in St. Martin's Parish House.
Afternoon session in South Mission Chapel.

MILL SCHOOLS.

NORTH:

In Linden Street School Building.

Emma R. Wentworth, principal,	117 Hillman street,	682
Charlotte C. Carr, assistant,	56 Spring street,	550

SOUTH:

In Thompson Street School Building.

Lucy J. Remington, principal,	67 Fifth street,	682
Ruby M. Tripp, assistant,	407 Cedar street,	550

COUNTRY SCHOOLS.

ACUSHNET:

Annie C. Maxfield, principal,	Fairhaven,	600
Belle B. Wheeler, assistant,	2 Mount Vernon street,	600
Harriet N. Hyatt, "	Tarkiln Hill road,	550

CLARK'S POINT:

Mary E. McAuliffe, principal,	292 Purchase street,	600
Rachel M. Wordell, assistant,	213 Chestnut street,	425

NORTH:

Mary I. Ashley, principal,	Clifford,	600
Mary G. F. Davis, assistant,	Clifford,	500

PLAINVILLE:

Eudora Lawrence, principal,	Shawmut,	$600

ROCKDALE:

Lillian T. Thomas, principal,	661 County street,	$600

SPECIAL TEACHERS.

DRAWING:

Mary Gilbert, supervisor,	483 County street,	$1,500

SINGING:

Fred H. Butterfield, supervisor,	93 Willis street,	$1,900

COOKING:

S. Agnes Donham,	258 Pleasant street,	$600

MANUAL TRAINING:

Edwin R. King,	66 Mill street,	$1,400

SEWING:

Lena M. Willis, principal,	213 Fourth street,	$525
Gertrude H. Leonard, assistant,	23 Seventh street,	525
Harriet S. Phillips, "	123 Rockland street,	525

EVENING DRAWING SCHOOL.

In High School Building,

		Per Night.
George H. Nye, principal,	323 Cottage street,	$4.50
Katharine M. Crabtree, assistant,	26 Seventh street,	3.00
Oliver H. Gardner, "	197 Chestnut street,	3.00

EVENING ELEMENTARY SCHOOLS.

CEDAR GROVE STREET:

In Cedar Grove Street School Building.

		Per Night.
Ernest V. Page, principal,	115 Mill street,	$3.50
Mary R. Hinckley, assistant,		1.50
Sarah F. Pratt, "		1.50
Mary E. McAuliffe, "		1.50
Alice Kelleher, "		1.50
Eliza G. M. Jenney, "		1.50
Lulu F. Rider, "		1.50
Bessie Fairchild, "		1.50
Mellie G. Harding, "		1.50
Dora A. DeWolf, "		1.50
Carolyn S. Jones, "		1.50
Abby R. Johnson, "		1.50
Mary E. Peckham, "		1.50
Susan E. R. Butts, "		1.50
Ruth M. Tripp, "		1.50
Isadore B. Lee, "		1.50
Alice Allen, "		1.50
Annie G. Brawley, "		1.50
Mary E. Ward, "		1.50
Isabella F. Winslow, "		1.50

FIFTH STREET:

In Fifth Street School Building.

		Per Night.
George H. Tripp, principal	Fairhaven,	$3.50
Sarah E. Stoddard, assistant,		1.50
Mary J. Graham, "		1.50
Helen McCoy, "		1.50
Clara S. Vincent, "		1.50
Ida M. Clement, "		1.50
Julia C. Gifford, "		1.50
Etta M. Abbott, "		1.50
Catherine T. Johnson, "		1.50
Sara Peckham, "		1.50
Nellie H. Cook, "		1.50
Lillie C. Tillinghast, "		1.50
Annie C. Hart, "		1.50
Edith M. B. Taber, "		1.50

PARKER STREET:

In Parker Street School Building.

		Per Night.
Mary A. Kane, principal,	119 Grinnell,	$3.50
Emma D. Larrabee, assistant,		1.50
Sara L. Tallman, "		1.50
Julia W. Corish, "		1.50
Grace B. Rounsevell, "		1.50
Lizzie E. Omey, "		1.50
Mary McIntyre, "		1.50
Sarah E. Kirwin, "		1.50
Daisy M. Butts, "		1.50

PHILLIPS AVENUE:

In Phillips Avenue School Building.

		Per Night.
William A. MacCord, principal,	53 Walnut Street,	$3.00
Jennie E. Gardner, assistant,		1.50
Mary F. Livingston, "		1.50
Nellie A. Walker, "		1.50
Hannah E. Norton, "		1.50
Edith Spooner, "		1.50
Nancy P. Slocum, "		1.50
Ida E. Bailey, "		1.50

THOMPSON STREET:

In Thompson Street School Building.

			Per Night.
John P. Kennedy,	principal,	65 Allen street,	$3.50
Janet Hunter,	assistant,		1.50
Kate K. Wheldon,	"		1.50
Clara M. Woodward,	"		1.50
Emma L. Gartland,	"		1.50
Annie F. Smith,	"		1.50
Alice A. Taylor,	"		1.50
Helen G. Malley,	"		1.50
Mary L. Rogers,	"		1.50
Cecilia A. Deane,	"		1.50
Mary V. Perry,	"		1.50
Agnes D. Allen,	"		1.50

Dr. E. E. Waite,	12.00	
I. L. Ashley,	40.00	
		$1,598.83
Louis H. Richardson,	$116.67	
Susie J. Small,	50.00	
Dr. C. A. Pratt,	41.67	
E. H. Gammons,	1,250.00	
Dr. A. W. Croacher,	59.50	
Bates & Kirby,	83.34	
F. M. Douglass,	97.65	
William Deacon,	24.50	
Hatch & Co.,	3.05	
Kirby & Hicks,	3.00	
N. B. Towboat Co.,	35.00	
Schering & Glatz,	7.75	
W. U. Telegraph Co.,	5.30	
Schering & Glatz,	3.50	
R. W. Taber,	.67	
N. B. Gas & Edison Light,	.75	
I. L. Ashley,	10.00	
		$1,793.85
Louis H. Richardson,	$116.67	
Susie J. Small,	50.00	
Edgar H. Gammons,	1,250.00	
Dr. C. A. Pratt,	41.67	
Dr. A. W. Croacher,	11.50	
Manuel Brown,	28.00	
R. W. Taber,	8.00	
S. W. Peckham,	24.00	
Bates & Kirby,	41.66	
Schering & Glatz,	10.50	
E. Anthony & Sons,	5.85	
Mortimer Searles,	2.20	
William Deacon,	4.50	
Hatch & Co.,	2.75	
Dr. E. E. Waite,	24.00	
W. H. Collins & Co.,	3.00	
Postal Telegraph Co.,	.25	
W. U. Telegraph Co.,	1.00	
Grow & Hart,	6.50	
N. B. Gas & Edison Light,	.75	
		$1,632.80
E. Anthony & Sons,	$30.24	
I. L. Ashley,	10.50	
Bates & Kirby,	41.67	

Thomas W. Cook,	34.71	
Dr. A. W. Croacher,	8.00	
W. H. Collins & Co.,	6.25	
Dr. H. C. Ernst,	5.00	
Fries Bros.,	1.25	
E. H. Gammons,	1,250.00	
Hatch & Co.,	3.05	
W. E. Macomber,	50.00	
N. B. Gas & Edison Light Co.,	.75	
Dr. C. A. Pratt,	41.67	
Police Dept., (W. E. Macomber),	924.00	
Louis H. Richardson,	116.67	
Susie J. Small,	50.00	
Schering & Glatz,	10.00	
R. W. Taber,	4.50	
W. U. Telegraph Co.,	2.62	
O. H. Covill,	4.00	
So. Mass. Telephone Co.,	22.25	
N. B. Towboat Co.,	10.00	
		$2,627.13

New Bedford, January 1, 1898.

To the Board of Health.

Gentlemen:—I have the honor to submit the following report of the work performed by me as Medical Inspector during the year 1897.

Number of visits for all purposes including Bacteriological cultures for diphtheria 552.

Number of Bacteriological cultures 45.

The marked increase in the number of visits made over the previous year is partly due to the increase in number of contagious diseases and also to the repeated visits made necessary by repeated Bacteriological tests on some cases of diphtheria before a negative result was obtained.

In one instance eleven cultures were taken before the Bacilli disappeared.

Very respectfully,

CHAS. A. PRATT, M. D.

New Bedford, January 1, 1898.

PLUMBING INSPECTOR'S REPORT.

To the Board of Health.

Gentlemen :—I have the honor to submit the following report of the work performed by me as Inspector of plumbing, during the year 1897.

Number of Permits Issued.

New buildings, 374.
Old buildings, 396.
Number of inspections, 1,572.
Final inspections, 262.
Whole number of inspections, 1,834.

Number of Fixtures Placed in Buildings.

Sinks, 1,614.
Set bowls, 314.
Bath tubs, 311.
Water closets, 1,105.
Wash trays, 95.
Urinals, 21.
Total, 3,460 fixtures.

Respectfully,
LOUIS H. RICHARDSON,
Inspector of Plumbing.

NEW BEDFORD, January 1, 1898.

To the Board of Health.

GENTLEMEN :—The following is my report for the year ending Dec. 31, 1897.

Filthy and overflowing vaults and cesspools, 72.
Defective vaults and cesspools, 37.
Defective and clogged drains, 30.
Defective plumbing, 22.
Filthy and defective water closets, 42.
Filthy ash barrels, 18.
Filthy barns and cellars, 8.
Filthy manure piles, 12.
Emptying vaults without a license, 2.
Filth in streets, 3.
Filthy premises, 37.
Filthy hen yards, 7.
Filthy sand catchers, 8.
Filthy grease collecting wagons, 2.
Hens in cellars, 7.
Emptying barn cellar water into gutter, 3.
Water in cellars, 13.
Swill tub nuisances, 6.
Unlicensed pigs, 8.
Dead animals on streets, 2.
Emptying vaults & cesspools without license or permit, 4.
Pig-pen nuisances, 9.
Feeding cows on swill, 1.
Fish market nuisances, 3.
Location of privy vaults, 17.
Collecting swill without a license, 4.
Complaints without cause, 15.
Investigating locations for keeping cows and pigs, 18.
Investigating locations for emptying vaults, 12.

Houses placarded, 244.
Number of rooms fumigated, 364.
Privy vaults ordered removed, 15.
Notices served, 45.
Inspections made, 487.

A large number of cases required two or more inspections.

This does not include my regular inspections.

Respectfully submitted,

WILLIAM E. MACOMBER,
Health Inspector.

During the year 1897 the following permits were granted by the Board:

For cleaning vaults and cesspools, 32.
Stable licenses, 36.
To reinter, 95.
For keeping swine, 33.
For keeping cattle, 20.
To enter sewers, 462.

Respectfully submitted,

SUSIE. J. SMALL, Clerk.

NEW BEDFORD, January 1, 1898.

To the Board of Health.

GENTLEMEN:—I have the honor to submit the following report of the work performed by me under my contract to collect and dispose of the city's garbage. During the year the collections have averaged 25 tons per day. There have been killed 313 horses which have been removed to my farm. Besides there has been removed 15 dead cows, 23 hogs and pigs, 300 dogs and cats, 13 goats, 1 deer and 1 monkey.

Respectfully submitted,

EDGAR H. GAMMONS, Contractor.

NEW BEDFORD, January 1, 1898.

REPORT OF THE BOARD OF EXAMINERS OF PLUMBING.

To the Board of Health.

GENTLEMEN:—The Board during the year 1897 has held fourteen meetings.

Eight examinations have been held during the year. Ten applicants failed to pass the examination. Five passed a master plumbers' examination and six passed a journeymen plumbers' examination.

Respectfully submitted,

THOS. W. COOK, Chairman.
EDMUND O'KEEFE.
WILLIAM DEACON.
} Board of Examiners.

In Board of Aldermen,

January 13, 1898.

Received, and ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

1 mo., 13, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898 — CITY DOCUMENT No. 7.

NINETEENTH ANNUAL REPORT

OF THE

BOARD OF HEALTH,

City and Quarantine Physician

OF THE

CITY OF NEW BEDFORD,

TO THE

CITY COUNCIL,

FOR THE YEAR 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

REPORT.

OFFICE OF BOARD OF HEALTH,

NEW BEDFORD, January 1, 1898.

To His Honor, the Mayor and Gentlemen of the City Council.

GENTLEMEN :—The important and constantly increasing work of the Board of Health in a city that is growing as rapidly as New Bedford, is a matter which few outside of the health departments of the Commonwealth realize.

The work of this Board is not what it was ten years ago, when the only duty devolving on its members was the abatement of nuisances, and preventing the spread of contagious and infectious diseases.

To the duties mentioned have been added by legislative acts many important matters which directly or indirectly have a bearing on the health of the community.

Local boards of the State now are required to have an oversight in the construction of all stables, must regulate the keeping of cows, and inspect cow barns with a view of enforcing sanitary regulations.

It has control of the plumbing laws as affecting its city, and as the agents of the Commonwealth issue licenses to all qualified persons doing business as a master or journeyman plumber.

That no workman shall be debarred the privilege of working at his trade after serving an apprenticeship, examinations are held monthly. We have just had fitted,

with the aid of the City Property committee, the room in the northwest corner of the Library basement where examinations are to be conducted.

The Board holds sessions daily, thus giving the public an opportunity to confer with the members if desired.

CONTAGIOUS DISEASES AND MEDICAL INSPECTION.

The Board congratulates the citizens that there has been no serious epidemic during the past year. It is also pleasing to record the fact that the increase in the number of contagious and infectious diseases, as compared with the year previous, is not greater than what might be expected from an increase in population.

Every case reported at this office is made the subject of a special investigation on the part of the medical inspector of the Board, Dr. Charles A. Pratt, who is a most faithful official. By this method of procedure we are enabled to control pupils who otherwise might attend the public schools.

It is because of this care in looking after every case reported that the Board has not been ready to adopt a system of medical inspection for the public schools, believing that the time has not arrived for such a lavish expenditure of money. With the able assistance of Dr. Pratt, we have for the last three years been very successful in handling the various cases, and in but one instance within that period has it been necessary to close any portion of a school.

DISINFECTION.

The security that we have enjoyed in the past, should not mislead us. We must be alive to the exigencies of

the future for when the danger comes we should be prepared to cope with it without delay, and in such a manner as to stamp out the disease before serious results could follow. It is wise to prepare for an emergency in time of security, and a few hundred dollars wisely expended, we feel sure will meet with your approval.

We do not feel like urging the establishment of a contagious disease hospital at the present time, but the day is not far distant when such an institution will be a necessity. It would prove a blessing for the poorer classes for in many instances means of isolation are very poor.

Hand in hand with isolation in the successful treatment of contagious and infectious diseases comes disinfection, and that the people of this community might have the advantage of the best and most effective method, the Board has given much valuable time to the consideration of this important factor. To have disinfection of any specific value it is necessary that it should be done thoroughly and the work is now accomplished by an agent of the Board.

The mere burning of a few sulphur candles or the sprinkling of a small quantity of powered sulphur on a few hot coals, is not adequate.

Formaldehyde gas as a germicidal and disinfecting agent is the acknowledged quality for this purpose the world over, and after diligent inquiry of the leading bacteriologist of the country, we feel warranted in saying that the method now employed by us in every way meets the requirements.

In this connection we might say that the Board this year adopted a plan for showing at a glance the different localities where contagion and infection exists. This is done with a map, pins with colored heads being employed in designating such spots. This device has proven of value during the last six months and visitors to our rooms have been very much interested in its study. The various school buildings are also shown.

It is serviceable as showing at a glance the sections where communicable diseases are prevalent.

DIPHTHERIA.

The culture method of assisting in making the diagnosis of cases of diphtheria is very generally employed by the physicians of the city.

Formerly mild cases were not reported as diphtheria, but the culture method eliminates any doubt, and it is gratifying to see how readily the physicians have taken to its use.

Tubes for the purpose are furnished by the State Board of Health and can always be procured at this office upon application.

Within the past two months we have kept a complete record of all such tests. In most cases quarantine is removed only upon a negative result.

Antitoxine treatment of this disease is more general than it was in 1896. There are some physicians who do not make use of it, but a large percentage of them do, and with very satisfactory results.

Antitoxine is furnished by the Board free.

GARBAGE COLLECTIONS.

It is also gratifying to us to know that in the treatment of refuse material or garbage, collections are being made faithfully.

But few cases of neglect have come to our attention, and upon investigation it has developed that such instances were not in anyway due to fault on the part of the contractor.

The material is disposed of by utilization, and the contractor, Edgar H. Gammons looks forward to but a few months when he will have the most complete plant in the country.

The greatest difficulty in collection has arisen in looking after fish offal in the various fish markets throughout the city, and the Board has found it necessary to impose very strict rules in the methods of collection to protect the community.

Especially is this true in localities thickly settled or where there is a great deal of travel.

VACCINATIONS.

During the past year there have been 323 vaccinations, of which number 29 were revaccinations. The Board has assumed this duty since the epidemic of small-pox in 1892, and as the law is very strict regulating the attendance at schools, many of the poorer classes have availed themselves of the privilege.

In some instances as many as six in a family have been brought to the rooms in this office for this purpose.

ADDITIONAL PLUMBERS.

During the past year the following additional plumbers' licenses were issued by the Board.

MASTER PLUMBERS.

Thomas Gregory, Thomas B. Connolly,
Clarence F. Delano, Edward J. Begley,
John F. Haughey.

JOURNEYMEN PLUMBERS.

Alphonse Geroux, Henry Gurl,
J. G. Hellyer, Jr., John Alty,
Barney Devlin, Napoleon Bertrand.

Respectfully submitted,

THOMAS W. COOK,
WM. G. KIRSCHBAUM.

Appended are the various reports from officials in the employ of this department.

MORTUARY REPORT, 1897.

Cause of Death.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Apoplexy	6	5	5	3	1	4	5	.	.	2	5	3	39
Atelectasis	2	.	1	.	.	.	.	.	1	2	.	.	6
Addison's Disease	1	.	.	.	.	.	.	.	.	1	.	.	2
Anæmia, Pernicious	1	2	.	.	2	.	.	.	.	.	1	.	6
Abscess, Pelvic	1	.	.	.	.	1	.	1	.	.	.	.	3
Abscess of Liver	1	.	.	.	.	.	.	.	.	.	.	.	1
Abscess of Brain	.	2	.	.	.	.	.	.		.	.	.	2
Abscess, Perityphlitic	.	.	.	.	.	.	1	.	.	.	.	.	1
Abscess, Spinal	.	.	.	.	.	.	.	1	.	.	.	.	1
Abscess of lung	.	.	.	.	.	.	.	1	.	.	.	.	1
Alcoholism	.	.	1	.	1	.	.	.	.	1	1	.	4
Asthma	.	.	.	1	.	.	.	.	.	.	.	.	1
Asphyxia	.	.	.	1	1	.	.	.	.	.	1	.	3
Appendicitis	.	.	.	.	.	.	.	.	1	.	.	.	1
Aneurism	.	.	.	.	.	.	.	1	.	.	.	.	1
Bronchitis	2	1	9	3	3	3	3	.	1	.	.	2	27
Bronchitis, cap	3	.	2	2	4	1	2	.	.	1	1	2	18
Brain disease	1	.	1	.	.	.	.	.	.	1	.	.	3
Brain, malformation of	.	.	.	.	.	.	.	1	.	.	.	.	1
Burns	.	.	.	.	.	.	.	1	.	2	.	.	3
Beri-beri	.	.	.	.	.	.	.	.	.	.	3	.	3
Bladder, hemorrhage of	.	.	.	.	.	.	.	.	.	.	1	.	1
Bladder, inflamation of	.	.	1	.	.	1	1	.	.	.	1	.	4
Cancer	1	2	.	.	1	2	.	1	1	2	.	.	10
Cancer of stomach	3	.	.	1	.	1	1	.	1	1	.	.	8
Cancer of breast	.	1	.	.	.	.	1	.	.	.	1	.	3
Cancer of uterus	.	.	1	.	.	.	.	2	.	1	.	.	4
Cancer of peritoneum	.	.	1	.	.	.	.	.	.	.	.	.	1
Cancer of liver	.	.	.	.	1	.	.	.	.	.	.	.	1
Cancer of face	.	.	.	.	.	1	.	.	.	.	.	.	1
Cancer of bladder	.	.	.	.	.	1	.	.	.	.	.	.	1
Cancer of Omentum in abdomen	.	.	.	.	.	.	1	.	.	.	.	.	1
Cancer of lung	.	.	.	.	.	.	.	1	.	.	.	.	1
Cancer of kidney	.	.	.	.	.	.	.	.	.	.	.	1	1
Convulsions	5	1	6	2	8	1	4	.	3	2	1	2	35
Cholera infantum	1	.	1	.	.	4	50	35	12	14	3	.	120
Cerebral Sclerosic	.	.	1	.	.	.	.	.	.	.	1	.	2
Compound fracture of skull	1	.	2	.	1	.	.	.	.	.	.	.	4
Cirrhosis of liver and kidney	.	.	.	.	.	1	.	.	.	.	.	.	1
Cellulitis	.	.	.	.	.	.	1	.	.	.	.	.	1
Cerebral softening	.	.	.	.	.	.	.	1	.	.	1	.	2
Congenital Cardiac malformation	.	.	.	.	.	.	.	.	.	.	1	.	1
Diphtheria and croup	6	3	6	4	8	.	4	2	4	6	2	2	47
Drowning	1	1	.	.	.	.	2	1	.	.	.	.	5
Debility	.	2	.	1	1	1	1	.	3	1	.	.	10
Debility, infantile	6	2	8	10	5	4	14	10	12	5	5	8	89
Diarrhœa	1	1	1	.	1	.	1	1	.	3	.	.	9

MORTUARY REPORT, 1897.—*Continued.*

Cause of Death.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Dysentery	.	.	.	.	.	1	1	1	.	1	.	.	4
Diabetes	.	.	1	.	.	1	1	.	1	1	1	1	7
Dementia	.	.	1	1	.	.	.	.	2	.	.	.	4
Dentition	.	.	.	.	.	.	.	.	8	.	1	.	1
Eclampsia	1	.	.	1	.	.	1	.	1	.	.	.	4
Exhaustion	.	.	.	.	.	.	.	.	.	.	.	1	1
Eplilepsy	1	.	.	.	.	.	.	.	.	1	.	.	2
Enteritis	.	1	2	1	3	1	4	2	3	6	1	.	24
Enteritis–Gastro	1	.	2	.	.	.	4	2	3	2	.	.	14
Entero Colitis	.	1	2	.	.	.	8	4	1	1	.	.	17
Erysipelas	.	1	.	.	1	.	.	.	.	.	.	.	2
Embolism, cerebral	.	.	.	.	.	1	.	.	.	.	.	.	1
Encephalitic	.	.	.	.	.	1	.	.	.	.	.	.	1
Fibroid tumor of uterus	.	.	.	.	.	.	.	.	.	.	1	.	1
Fracture of femur	.	.	.	.	.	.	.	.	.	1	.	.	1
Fracture neck of femur	.	.	1	.	.	.	.	.	.	.	.	.	1
Fracture of skull	.	.	.	.	.	.	1	.	.	.	1	1	3
Fever, brain	.	.	.	.	.	.	.	.	.	1	.	.	1
Fever, scarlet	.	.	.	.	4	2	4	1	.	1	.	1	13
Fever, typhoid	2	.	1	1	3	.	1	1	7	1	6	.	23
Fever, Puereperal	1	.	.	.	.	.	.	.	.	.	.	1	2
Fever, Intermittent	.	.	1	.	.	.	.	.	.	.	.	.	1
Gangrene	.	.	.	.	.	.	1	.	.	.	.	.	1
Gangrene of foot	.	1	.	.	.	.	.	.	.	.	.	.	1
Gangrene, Senile	1	1	.	.	.	.	.	.	.	.	.	.	2
Gastritis	.	1	.	.	.	.	.	.	.	.	.	.	1
Grippe, La	.	.	1	.	.	.	.	.	.	.	.	.	1
Gastric ulcer	.	.	.	.	.	.	.	.	1	.	.	.	1
Heart disease	17	9	11	6	7	6	9	4	6	5	6	11	97
Hydrocephalus	1	.	.	.	.	1	1	.	.	.	.	.	3
Hemorrhage	.	.	.	1	.	1	.	1	.	.	.	2	5
Hemorrhage, uterine	1	.	.	.	.	.	.	.	.	.	1	.	2
Hemorrhage from stomach	.	.	1	.	.	.	.	.	.	.	.	.	1
Hemorrhage of lungs	.	.	.	.	1	.	.	.	.	2	1	.	4
Hemorrhage, intestinal	.	.	.	.	1	.	.	.	.	.	.	.	1
Hemorrhage, pancreatis	.	.	1	.	.	.	.	.	.	.	.	.	1
Hernia, strangulated	.	.	.	1	.	.	.	.	.	.	.	.	1
Hepatitis	.	.	.	.	.	1	.	.	.	.	.	.	1
Hemiplegia	.	.	.	.	.	.	.	1	.	2	.	.	3
Injuries due to boiler explosion	.	.	1	.	.	.	.	.	.	.	.	.	1
Injuries, internal	.	.	.	.	.	.	1	.	.	.	.	.	1
Injuries, multiple	.	.	.	.	.	.	.	.	.	.	1	.	1
Intestinal obstruction	.	.	.	1	.	.	.	.	.	.	.	.	1
Jaundice	.	.	.	.	.	.	1	.	.	.	.	.	1
Kidney disease	8	6	4	4	7	3	4	2	3	6	3	3	53
Liver, Cirrhosis of	.	.	.	1	.	.	.	.	.	1	1	.	3
Liver, Hypertrophy	.	1	.	.	.	.	.	.	.	.	.	.	1

MORTUARY REPORT, 1897.—*Continued.*

Cause of Death.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Laryngismus, Stridulous	.	.	3	1	2	.	.	.	.	.	.	.	6
Lungs, Odema of	.	.	1	1	.	1	.	.	1	.	.	1	5
Lungs, congestion of	.	.	1	.	1	.	3	.	.	.	.	1	6
Locomotor Ataxia	.	.	.	.	.	1	.	.	.	.	.	1	2
Leukæmia	.	.	.	.	.	1	.	.	.	.	.	.	1
Laryngitis	.	.	.	.	.	1	.	.	.	1	.	.	2
Lung, gangrene of	.	.	.	.	.	.	.	.	.	1	.	.	1
Meningitis	1	5	4	3	3	6	7	3	3	2	1	3	43
Meningitis, cer.	.	.	.	.	.	.	.	1	2	2	.	.	5
Meningitis, tub.	.	.	1	2	1	.	2	2	2	.	.	2	12
Meningitis, cerebro spinal	.	.	.	.	1	1	.	.	.	.	.	.	2
Measles	.	.	.	2	2	1	.	.	.	.	.	.	5
Malnutrition	.	.	.	.	1	.	1	.	1	.	.	.	3
Malformation of digestive tract	.	.	.	.	.	.	1	.	.	.	.	.	1
Necrosis of bones	.	.	1	.	.	.	.	.	.	1	.	.	1
Old age	3	3	4	3	2	3	3	1	.	1	4	5	32
Osteo larcoma	.	.	.	.	.	.	.	.	.	1	.	.	1
Peritonitis	2	.	.	2	.	1	1	.	.	.	.	.	6
Peritonitis, metro	1	.	.	.	.	.	.	.	.	.	.	.	1
Pneumonia	8	18	26	19	16	12	7	1	3	7	4	8	129
Phthisis, pul.	11	8	12	9	11	.	10	9	4	4	6	7	91
Premature birth	6	3	1	1	4	3	2	3	3	1	2	4	33
Paresis	2	.	5	.	1	.	1	2	1	3	2	.	17
Pleurisy	.	2	.	.	.	.	.	1	.	.	.	.	3
Pyaemia	.	.	.	.	.	1	.	.	.	.	.	.	1
Rheumatism	.	.	.	.	.	.	1	.	.	1	.	.	2
Sarcoma	.	.	1	.	.	.	.	.	.	.	.	.	1
Sarcoma, melanotic	1	.	.	.	.	.	.	.	.	.	.	.	1
Syphilis	.	1	1	.	.	.	.	.	.	.	.	.	2
Shock	.	.	.	.	.	.	.	.	1	1	.	.	2
Shock from removal of bullet	.	.	.	.	.	.	.	.	.	1	.	.	1
Shock, amputation of arm	.	.	.	.	.	.	.	.	.	.	1	.	1
Suffocation	.	1	.	.	.	.	.	.	.	3	.	.	4
Spinal Sclerosis	.	1	.	.	.	.	.	.	.	.	.	.	1
Septicæmia	.	.	.	1	.	.	.	.	2	1	.	.	4
Septic. puerperal	.	.	.	.	1	.	.	.	.	.	.	.	1
Spina bifida	.	.	.	.	.	.	.	.	1	.	.	.	1
Suicide, drowning	.	.	.	.	3	.	.	.	.	.	.	.	3
Suicide hanging	.	.	.	.	.	.	1	1	.	.	.	.	2
Suicide, poisoning	.	.	.	.	.	.	.	.	.	.	.	1	1
Tuberculosis	.	.	1	.	1	.	3	.	2	1	2	.	10
Tuberculosis, intestinal	.	.	.	.	.	.	.	.	1	1	.	1	3
Toxæmia	.	.	1	.	.	.	.	.	.	.	.	.	1
Tumor, cerebral	.	.	.	1	.	.	.	.	.	.	.	.	1
Tetanus	.	.	.	.	.	.	.	.	.	.	.	1	1
Ulcer of stomach	2	.	.	.	.	.	.	.	.	.	.	.	2
Ulcer of stomach and colon	.	.	.	1	.	.	.	.	.	.	.	.	1

MORTUARY REPORT, 1897.—*Continued.*

Cause of Death.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Unknown	3	1	2	1	2	2	.	.	.	.	1	.	12
Uterine fibroid	.	.	.	.	1	.	.	.	.	.	.	.	1
Whooping cough	.	.	.	.	.	.	1	.	.	.	.	.	1

		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Under 1 year	Males	17	16	21	16	12	17	61	26	24	17	7	13	247
	Females	11	6	14	10	18	8	34	24	18	15	7	8	173
1-2	Males	5	2	3	5	7	4	6	5	3	4	1	1	46
	Females	1	4	5	4	8	3	3	4	3	6	2	3	46
2-3	Males	.	1	4	.	2	1	4	1	2	1	.	1	17
	Females	1	1	3	3	4	3	3	1	2	2	.	2	25
3-4	Males	.	1	3	1	2	.	.	.	.	1	2	.	10
	Females	.	1	1	2	3	.	1	.	2	5	1	.	16
4-5	Males	1	1	2	.	1	1	2	2	1	.	.	1	12
	Females	.	.	2	1	.	1	1	1	.	2	.	.	8
5-10	Males	1	2	1	.	2	2	4	2	.	1	.	1	16
	Females	1	1	4	4	4	1	2	.	.	2	1	2	22
10-15	Males	4	1	2	.	2	.	.	3	1	.	.	1	14
	Females	1	1	.	.	2	.	1	.	.	.	.	.	5
15-20	Males	.	2	1	1	.	.	1	.	1	1	.	1	8
	Females	1	2	2	1	1	1	1	.	3	1	1	1	15
20-30	Males	5	.	.	4	4	1	6	6	3	6	5	3	43
	Females	4	2	4	3	4	3	4	3	5	6	6	1	45
30-40	Males	1	1	3	1	1	3	1	1	3	3	6	3	27
	Females	5	5	6	4	5	1	4	2	2	4	6	3	47
40-50	Males	5	2	5	4	4	1	5	2	1	4	3	.	36
	Females	3	3	8	2	6	1	3	2	2	4	1	3	38
50-60	Males	4	2	6	2	2	6	4	4	2	3	4	5	44
	Females	7	5	3	3	3	6	3	4	2	4	6	2	48
60-70	Males	4	5	6	5	4	5	6	3	2	2	1	.	43
	Females	10	4	7	1	4	1	2	2	4	4	4	5	48
70-80	Males	6	3	6	3	4	1	3	1	.	2	6	4	39
	Females	11	7	8	6	.	4	7	4	3	6	3	5	64
Over 80 years	Males	4	4	3	1	4	1	2	.	2	2	2	4	29
	Females	4	3	9	6	5	3	4	.	3	3	1	3	44
Stillborn	Males	5	2	4	9	8	3	6	3	6	4	7	6	63
	Females	5	2	4	3	4	2	2	3	3	3	4	2	37

MORTUARY REPORT, 1897.—*Continued.*

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Whole number of deaths . .	117	88	142	93	118	79	178	103	94	111	76	76	1275
Whole number of males . .	57	43	66	43	51	43	105	56	45	47	37	38	631
Whole number of females . .	60	45	76	50	67	36	73	47	49	64	79	38	644

CASES OF CONTAGIOUS AND INFECTIOUS DISEASES.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Diphtheria and croup	8	13	11	11	12	4	8	13	9	28	15	11	143
Scarlet fever	8	5	4	10	11	11	21	10	15	25	14	7	141
Whooping cough	.	.	.	1	1	1	1	1	.	1	.	5	11
Measles	5	37	105	149	254	32	3	1	.	.	.	.	586
Smallpox	.	.	.	1	.	.	.	.	.	.	.	.	1
Typhoid fever	2	2	3	2	4	6	3	13	19	21	8	5	88

Respectfully submitted,

SUSIE J. SMALL, Clerk.

FINANCIAL REPORT FOR THE YEAR ENDING NOV. 30, 1897.

Salaries,	$3,311.59
Rent,	458.36
Garbage,	13,750.00
Incidentals,	1,847.08
Whole amount expended,	19,367.02
Whole amount appropriated,	16,840.00
Deficit,	2,527.02

EXPENDITURES.

Bates & Kirby,	$41.67	
Dr. A. W. Croacher,	9.50	
William Deacon,	9.00	
E. H. Gammons,	1,250.00	
Hatch & Co.,	.75	
N. B. Towboat Co.,	10.00	
Sch. John E. Shatford, Senator Sullivan,		
Dr. C. A. Pratt,	41.67	
S. F. Perry & Son,	2.00	
Louis H. Richardson,	116.67	
Louis H. Richardson,	5.00	
Susie J. Small,	45.84	
Dr. E. E. Waite, (6 cases),	18.00	
W. U. Telegraph Co.,	.50	
W. H. Collins & Co.,	18.00	
N. B. Gas & Edison Light Co.,	.75	
		$1,569.35
E. Anthony & Sons,	$1.68	
Bates & Kirby,	41.67	
Briggs & Lawrence,	28.42	
Dr. A. W. Croacher,	2.00	
William Deacon,	9.00	
E. H. Gammons,	1,250.00	
Hatch & Co.,	1.00	
Haskell & Tripp,	2.04	
Mercury Publishing Co.,	1.56	
N. B. Gas & Edison Light Co.,	.75	
N. B. Steam Carpet Beating Estab.,	3.60	
Dr. C. A. Pratt,	41.67	
Louis H. Richardson,	116.67	
Louis H. Richardson,	5.00	
Susie J. Small,	50.00	

Mattie Sears,	4.50	
Mortimer Searles,	2.50	
So. Mass. Telephone Co.,	17.50	
Robert W. Taber,	2.25	
W. U. Telegraph Co.,	1.25	
		$1,583.06
E. Anthony & Sons,	$52.25	
Bates & Kirby,	41.67	
Manuel Brown,	24.00	
Dr. A. W. Croacher,	4.50	
William Deacon,	9.00	
City Engineer,	4.00	
E. H. Gammons,	1,250.00	
Hatch & Co.,	2.15	
Kirby & Hicks,	2.00	
Mercury Publishing Co.,	1.81	
N. B. Gas & Edison Light Co.,	.75	
B. Otheman,	2.75	
Dr. C. A. Pratt,	41.67	
Louis H. Richardson,	116.67	
Louis H. Richardson,	5.00	
Susie J. Small,	50.00	
George M. Crapo,	2.75	
Dr. E. E. Waite,	9.00	
F. M. Douglass,	17.65	
		$1,637.62
E. Anthony & Sons,	$40.32	
Bates & Kirby,	41.67	
Thomas W. Cook,	11.75	
City Treasurer,	40.00	
Dr. A. W. Croacher,	15.50	
C. B. Church,	16.00	
William Deacon,	9.00	
E. H. Gammons,	1,250.00	
Hatch & Co.,	2.00	
Hatch & Co.,	1.00	
H. S. Hutchinson & Co.,	.08	
Mercury Publishing Co.,	6.46	
N. B. Gas & Edison Light Co.,	.75	
Dr. C. A. Pratt,	41.67	
Louis H. Richardson,	116.67	
Louis H. Richardson,	5.00	
George D. Richards,	1.05	
A. H. Rooks,	16.00	
Susie J. Small,	50.00	
C. R. Sherman & Son,	.75	

C. R. Sherman,	.50	
W. E. Smith,	5.25	
Robert W. Taber,	3.00	
W. U. Telegraph Co.,	.50	
W. U. Telegraph Co.,	1.33	
		$1,676.25
Louis H. Richardson,	$116.67	
Louis H. Richardson,	5.00	
Susie J. Small,	50.00	
Dr. C. A. Pratt,	41.67	
Dr. A. W. Croacher,	14.50	
E. H. Gammons,	1,250.00	
Bates & Kirby,	41.67	
William E. Macomber,	50.00	
L' Echo du Soir,	9.75	
So. Mass. Telephone Co.,	.30	
Dr. D. C. Ashley,	5.00	
E. Anthony & Sons,	23.47	
T. W. Cook,	6.70	
F. M. Douglass,	67.60	
E. Lilley,	4.65	
N. B. Gas & Edison Light Co.,	.75	
W. U. Telegraph Co.,	.25	
Robert W. Taber,	2.30	
W. H. Collins & Co.,	2.50	
'O'Portuguez,'	2.25	
Manuel Brown, (nursing)	74.75	
Dr. W. C. Sheehy,	135.00	
F. T. Akin & Co.,	1.78	
Briggs & Lawrence,	24.27	
J. Davis,	2.25	
Frank M. Douglass,	11.45	
George Hunter,	31.42	
Taber, Read & Gardner,	83.25	
Wood, Brightman & Co.,	2.50	
		$2,066.70
Louis H. Richardson,	$116.67	
Louis H. Richardson,	5.00	
Susie J. Small,	50.00	
Dr. C. A. Pratt,	41.67	
Dr. A. W. Croacher,	3.50	
Edgar H. Gammons,	1,250.00	
Bates & Kirby,	41.67	
W. H. Collins & Co.,	5.00	
Dr. E. E. Waite,	6.00	
Ballard & Kirschbaum,	1.00	

J. & W. R. Wing,	.65	
Hatch & Co.,	1.65	
Mercury Publishing Co.,	6.00	
Kirby & Hicks,	6.00	
N. B. Towboat Co.,	50.00	
N. B. Gas & Edison Light Co.	.75	
N. B. Gas & Edison Light Co.	.80	
		$1,586.36
Louis H. Richardson,	$116.67	
Susie J. Small,	50.00	
Dr. C. A. Pratt,	41.67	
E. H. Gammons,	1,250.00	
Bates & Kirby,	41.67	
Dr. E. E. Waite,	15.00	
Hatch & Co.,	1.25	
N. B. Gas & Edison Light Co.,	.75	
F. T. Akin & Co.,	2.75	
E. Anthony & Sons,	24.71	
F. S. Blanchard & Co., (Mass. Year book,)	1.50	
R. G. Bennett,	16.00	
Thomas W. Cook,	15.00	
C. H. & H. A. Lawton Co.,	2.60	
Soule Decorating Co.,	1.50	
W. U. Telegraph Co.,	1.25	
Robert W. Taber,	3.00	
William Deacon,	9.00	
		$1,595.07
Louis H. Richardson,	$116.67	
Susie J. Small,	50.00	
Dr. C. A. Pratt,	41.67	
E. H. Gammons,	1,250.00	
Dr. A. W. Croacher,	23.50	
F. T. Akin & Co.,	1.25	
E. Anthony & Sons,	11.32	
Mercury Publishing Co.,	3.75	
N. B. Gas & Edison Light Co.,	.75	
W. H. Collins & Co.,	4.00	
R. W. Taber,	4.17	
C. T. Bosworth & Co.,	.25	
W. A. Greenough & Co.,	2.50	
Dr. A. M. Pierce,	10.00	
J. S. Kelley & Co.,	.50	
Kirby & Hicks,	2.00	
Hatch & Co.,	.25	
S. W. Peckham,	24.00	

1898—CITY DOCUMENT No. 8.

THE

AUDITOR'S ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

OF THE

CITY OF NEW BEDFORD,

FOR THE YEAR 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

City of New Bedford,
Auditor's Office,
December 6, 1897.

To the Honorable the City Council of New Bedford.

Gentlemen:—Herewith I have the honor to submit the Annual Report of all the Receipts and Expenditures of the city for the financial year ending on the first Monday in December, 1897, together with a statement of the city debt, a schedule of the real and personal property belonging to the city and the estimated value thereof, and such other statements as I have deemed of interest.

Yours respectfully,
GEORGE W. PARKER,
City Auditor.

Auditor's Report.

James H. Hathaway, Esq., City Treasurer,

In Account with the City of New Bedford.

Dr.

1897.		
January 4. To balance of cash,		$396,379.93
Appropriations, general, taxes 1897,	$795,388.12	
" " " 1896,	13,807.10	
" " " 1895,	7,123.52	
" " " 1894,	28.60	
" " " 1893,	8.00	
" " " 1891,	8.55	
" special, " 1896,	198,982.55	
" " " 1895,	222,017.45	
" " " 1894,	200,000.00	
Board of Health,	5.00	
Cemeteries,	7,244.98	
Cemeteries, sale of lots,	4,730.00	
City Property,	12.90	
Commonwealth of Mass., chap. 62,	490.00	
" " " 279, of 1894,	1,261.00	
" " " 301,	9,371.50	
Engineering Department,	1.12	
Fire Department,	60.18	
Free Public Library, dog fund,	1,328.78	
Free Public Library, trustees—		
James B. Congdon, gift,	15.00	
George O. Crocker, bequest,	200.00	
George Howland, Jr., gift,	48.00	
Sylvia A. Howland, bequest,	1,500.00	
Charles W. Morgan, bequest,	30.00	
Chas. L. Wood, library fund,	40.00	
Oliver Crocker, bequest,	30.00	
Reading room, fund,	6.00	

Incidentals,	1,695.90	
Semi-Centennial Celebration,	2,012.25	
New Bedford School Committee—		
Howland fund,	1,500.00	
Jona. Bourne prize fund,	30.00	
New Bedford Water Works,	108,654.32	
" " further water supply,	22,264.34	
Park Commission,	74.25	
Police Department,	67.37	
Poor Department,	5.30	
Public Schools, incidentals,	10.05	
" pay of teachers,	16.25	
" dog fund,	1,322.78	
Department of Wharves,	3,906.31	
Sewer, Prospect st. No. 3,	1.80	
Public Debt,	65,000.00	
Real Estate, tax account,	253.29	
Temporary loan,	400,000.00	
Unappropriated funds,	221,299.96	
		$2,291,852.52
		$2,688,232.45

Auditor's Report.

James H. Hathaway, Esq., City Treasurer,

In Account with the City of New Bedford.

Cr.

Armories and military property,	$3,622.19
Board of Assessors,	4,780.57
Board of Health,	19,372.02
Cemeteries,	23,089.99
Cemeteries, sale of lots,	3,305.42
City Property,	8,950.58
Almshouse changes and alterations,	1,508.19
Police Station, Kempton and Cedar sts.,	5,300.01
" " lot, Kempton and Cedar sts.,	3,000.00
Schoolhouse lot, Maitland st.,	2,956.84
Commonwealth of Mass., chap. 62,	35.00
" " " 279 of 1894,	2,052.00
" " " 279 of 1896,	315.00
" " " 301,	9,331.14
" " " 447,	5,821.73
Court judgments,	310.01
Election funds,	3,154.88
Engineering Department,	9,318.67
" " grade crossings,	936.59
Fire Department,	72,456.50
" underground wires,	763.02
Free Public Library,	10,003.05
" " dog fund,	1,362.67
Free Public Library, trustees—	
James B. Congdon, gift,	156.18
George O. Crocker, bequest,	479.34
Oliver Crocker, bequest,	48.08
Geo. Howland, Jr., gift,	131.90
Sylvia Ann Howland, bequest,	2,201.22
Chas. W. Morgan, bequest,	6.00
Charles L. Wood, library fund,	14.10
Reading room fund,	500.13

Highways and streets,	164,834.32
Land damages, Coffin ave., No. 1,	3,654.07
" Coffin ave., No. 2,	159.00
" Cove street, No. 1,	2,439.00
" Cove street, No. 2,	2,748.00
" Fourth street,	137.27
" Hemlock street, No. 1,	935.04
" Hemlock street No. 2,	432.00
" Hillman street,	135.00
" Nash road,	275.00
" Purchase street, No. 1,	59.63
" Purchase street, No. 2,	15,240.29
" Orchard street,	200.00
" Union street,	691.85
Incidentals,	28,754.57
Semi-Centennial Celebration,	9,980.52
License Commission,	957.72
Lighting the streets,	44,350.14
Coggeshall street bridge,	188.11
N. B. and Fairhaven bridge,	3,466.53
N. B. School Committee, Howland fund,	3,259.92
" " Jona. Bourne prize fund,	60.00
N. B. Water Works,	109,892.27
" " further water supply,	253,973.25
Park Commission,	14,834.89
Pingree plan, for benefit of poor, etc.,	751.83
Police Department,	104,750.83
Poor Department,	47,960.05
Printing, binding and stationery,	4,232.69
Public schools, incidentals,	47,337.99
" pay of teachers,	112,662.59
" repairs of buildings,	14,974.74
" dog fund,	932.05
" kindergartens,	1,553.29
" Geo. H. Dunbar school,	2,247.32
" Phillips ave.,	2,500.00
Department of Wharves,	1,349.08
Addition to repair shop, No. 4 engine house,	4,070.39
Schoolhouse, Brock ave.,	22,806.18
" " heating and ventilating,	1,600.00
" Dartmouth and Dunbar sts.,	17,631.52
" Phillips ave. and Bowditch street,	10,685.24
" " " " curbing,	8.70
Receiving tomb, Rural cemetery,	802.40
Temporary bridge, Fish and Pope's island,	9,850.00

Salaries,	21,994.42	
Sewers, general account,	22,744.51	
" Adams street,	839.70	
" Ashley street,	543.99	
" Belleville avenue, No. 8,	118.99	
" Bentley street,	212.06	
" Bourne street,	282.18	
" Bullard street, No 3,	350.32	
" Butler street, No. 2,	1,490.83	
" Chancery street, No. 5,	437.32	
" " " No. 6,	59.17	
" Clinton street, lowering,	233.35	
" " " " No. 3,	138.74	
" East French avenue,	657.43	
" Elm and Reed streets,	1,055.27	
" Grit street,	172.09	
" Hazard street,	47.25	
" Holly and Bowditch streets,	3,080.70	
" Howland street, No. 3,	4,005.72	
" Merrimac street, No. 3,	247.29	
" Mt. Pleasant street, No. 2,	302.82	
" Myrtle street, No. 3,	89.35	
" Orchard street, No. 6,	311.65	
" Pierce street, No. 2,	215.51	
" Pleasant street, No. 3,	669.92	
" Prospect street, No. 3,	5,500.05	
" Sawyer street, No. 3,	1,700.76	
" Second street, No. 12,	329.84	
" Shawmut avenue, No. 5,	409.61	
" Stowell street,	803.02	
" Summer street, No. 2,	121.43	
" Tallman street,	190.20	
" Wamsutta and Merrimac streets,	7,404.12	
Public debt,	207,607.13	
Sinking funds,	73,860.00	
Temporary loan,	920,105.00	
		$2,543,980.04
City Treasurer, balance of cash,		144,252.41
		$2,688,232.45

EXPENDITURES IN DETAIL.

APPROPRIATIONS, GENERAL, 1897.

DR.

Armories and military property,	$2,800.00	
Board of Assessors,	4,000.00	
Board of Health,	16,840.00	
Cemeteries,	14,800.00	
City property,	5,600.00	
Com. of Mass. Chap. 279 of 1894,	1,200.00	
" " " 447	4,000.00	
Engineering Department.	8,000.00	
Fire Department,	56,000.00	
Free Public Library,	8,000.00	
Highways and streets,	112,000.00	
Incidentals,	57,137.00	
License Commission,	637.00	
Lighting the streets,	40,000.00	
Coggeshall Street Bridge,	400.00	
N. B. and Fairhaven Bridge,	4,000.00	
N. B. Water Works,	12,000.00	
Park Commission.	16,000.00	
Police Department,	88,000.00	
Poor Department,	36,000.00	
Printing, binding and stationery,	4,000.00	
Public schools, incidentals,	36,800.00	
" " pay of teachers,	100,800.00	
" " repairs of buildings,	7,440.00	
Salaries,	23,965.00	
Sewers, General account,	12,000.00	
Public debt,	145,000.00	
Sinking funds,	72,820.00	
		$890,239.00

Cr.

By cash receipts as per Treasurer's report,	$795,388.12	
Transfer from unappropriated funds,	50,000.00	$845,388.12
December 6, 1897. Balance,		44,850.88
		$890,239.00

Dr.

December 6, 1897. To balance,	$44,850.88

APPROPRIATIONS GENERAL, 1896.

Dr.

January 4, 1897. To balance,	$47,096.10

Cr.

By cash receipts as per Treasurer's report,	$13,807.10	
December 6, 1897. Balance,	33,289.00	$47,096.10

Dr.

December 6, 1897. To balance,	$33,289.00

APPROPRIATIONS, GENERAL, 1895.

Dr.

January 4, 1897. To balance,	$24,627.00

Cr.

By cash receipts as per Treasurer's report,	$7,123.52	
December 6, 1897. Balance,	17,503.48	$24,627.00

Dr.

December 6, 1897. To balance,	$17,503.48

APPROPRIATIONS, GENERAL, 1894.

DR.

January 4, 1897. To balance,		$21,686.85

CR.

By cash receipts as per Treasurer's report,	$28.60	
December 6, 1897. Balance,	21,658.25	$218,686.85

DR.

December 6, 1897. To balance,	$21,658.25

APPROPRIATIONS, GENERAL, 1893.

DR.

January 4, 1897. To balance,	$14,861.17

CR.

By cash receipts, as per Treasurer's report,	$8.00	
December 6, 1897. Balance,	14,853.17	$14,861.17

DR.

December 6, 1897. To balance,	$14,853.17

APPROPRIATIONS, GENERAL, 1892.

DR.

January 4, 1897. To balance,	$8,142.28

CR.

By transfer from unappropriated funds,	$8,142.28

APPROPRIATIONS, GENERAL, 1891.

Dr.

January 4, 1897. To balance,		$2,082.33

Cr.

By cash receipts, as per Treasurer's report,	$8.55	
Transfer from unappropriated funds,	2,073.78	$2,082.33

APPROPRIATIONS, SPECIAL, 1897.

Dr.

Almshouse, changes and alterations,	$14,500.00
Police station, Kempton and Cedar streets,	17,060.00
Police station lot, cor. Kempton and Cedar streets,	3,000.00
Schoolhouse lot, Maitland street,	2,956.84
Highways and streets,	35,000.00
Land damages, Coffin avenue, No. 1,	3,654.07
" " " No. 2,	159.00
" " Cove street, No. 1,	2,439.00
" " " No. 2,	2,748.00
" " Hemlock street, No. 1,	935.04
" " " No. 2,	432.00
" " Hillman street,	135.00
" " Nash road,	275.00
" " Purchase street, No. 2,	16,530.00
" " Orchard street,	200.00
Semi-Centennial Celebration,	8,000.00
Textile school,	25,000.00
Public schools, repairs of buildings,	1,800.00
" " kindergartens,	1,800.00
" " Dartmouth and Dunbar streets,	2,300.00
" " Phillips avenue,	2,500.00
Addition to repair shop No. 4 engine house,	4,070.39
Schoolhouse, Brock avenue,	30,992.00
" " heating and ventilating,	4,144.60
" Phillips avenue. Curbing.	1,349.00
Temporary bridge, Fish and Popes Island,	9,850.00

Sewer,	Adams street,	1,500.00	
"	Ashley street,	501.00	
"	Bentley street,	740.00	
"	Bourne street, No. 2,	601.00	
"	Butler street, No. 2,	2,000.00	
"	Chancery street, No. 5,	600.00	
"	" " No. 6,	100.00	
"	Clinton street. Lowering,	300.00	
"	Clinton street, No. 3,	600.00	
"	East French avenue,	1,050.00	
"	Elm and Reed streets,	1,250.00	
"	Grit street,	200.00	
"	Hazard street,	100.00	
"	Holly and Bowditch streets,	4,350.00	
"	Merrimac street, No. 3,	400.00	
"	Mt. Pleasant street, No. 3,	500.00	
"	Myrtle street, No. 3,	200.00	
"	Orchard street, No. 6,	450.00	
"	Pierce street, No. 2,	375.00	
"	Pleasant street, No. 3,	1,000.00	
"	Prospect street, No. 3,	4,500.00	
"	Sawyer street, No. 3,	1,800.00	
"	Second street, No. 12,	400.00	
"	Shawmut avenue, No. 5,	75 .00	
"	Stowell street,	1,200.00	
"	Summer street,	200.00	
"	Tallman street.	2,000.00	
"	Wamsutta and Merrimac streets,	7,000.00	$226,496.94

Cr.

By transfer from unappropriated funds,	$27,577.00	
December 6, 1897. Balance,	198,919.94	$226,496.94

Dr.

December 6, 1897. To balance,	$198,919.94

APPROPRIATIONS, SPECIAL, 1896.

Dr.

January 4, 1897. To balance,		$253,612.41

Cr.

By cash receipts, as per Treasurer's report,	$198,982.55	
Transfer from unappropriated funds,	54,629.86	$253,612.41

APPROPRIATIONS, SPECIAL, 1895.

Dr.

January 4, 1897. To balance,	$222,017.45

Cr.

By cash receipts, as per Treasurer's report,	$222,017.45

APPROPRIATIONS, SPECIAL, 1894.

Dr.

January 4, 1897. To balance,	$200,000.00

Cr.

By cash receipts, as per Treasurer's report,	$200,000.00

ARMORIES AND MILITARY PROPERTY.

Dr.

GUARDS ARMORY.

Fuel and Heating:		
F. T. Akin & Co.,	$45.70	
Proprietors of Ricketson's Block,	66.50	$112.20
Repairs:		
Charles O. Brightman,	52.73	
T. J. Moriarty,	13.29	
Henry W. Tripp,	97.63	163.65
Rent:		
Proprietors of Ricketson's Block,		525.00
Lighting:		
New Bedford Gas & Edison Light Co.,		431.04
Miscellaneous:		
M. S. Gifford,	127.85	
T. J. Gifford & Co.,	6.80	
New Bedford Gas & Edison Light Co.,	1.75	
Taylor & Sawtelle,	11.12	
Charles F. Wing,	94.10	241.62

NAVAL RESERVES ARMORY.

Fuel and Heating:		
T. S. Corson,		58.30
Rent:		
Elijah R. Lewis,		600.00
Lighting:		
New Bedford Gas & Edison Light Co.,		304.20
Miscellaneous:		
A. W. Allen,	96.01	
T. J. Gifford & Co.,	30.00	
Charles L. Peck,	10.55	
Pierce, Lewis & Co.,	32.25	
Frank C. Smith,	6.50	
Edward T. Thompson,	75.00	
Charles F. Wing,	109.05	
Wood, Brightman & Co.,	3.59	362.95

RIFLE RANGE.

A. W. Allen,	25.77	
Henry T. Ashley,	44.00	
Dennison Manf'g. Co.,	17.75	
DeWolf & Vincent,	.80	
M. S. Gifford,	303.21	
Miller & Hook,	298.20	
New Bedford Boiler & Machine Co.,	62.02	
Smith-Carleton & Co.,	13.17	
J. C. Warren,	41.56	806.48
Miscellaneous:		
Samuel E. Bentley,		16.75
		$3,622.19

Cr.

By appropriation,	$2,800.00	
Transfer from unappropriated funds,	500.00	
Transfer to balance,	322.19	$3,622.19

BOARD OF ASSESSORS.

Dr.

Clerical Help:		
W. J. Abrams,	$211.14	
G. H. Allen,	533.18	
W. F. Bannon,	139.65	
H. J. Brownell,	207.70	
A. B. Chappell,	226.65	
T. F. Healey,	143.50	
L. M. Huggins,	1.75	
J. E. Landers,	437.50	
George C. Lees,	8.75	
H. C. Russell,	623.50	
W. A. Russell,	14.00	
A. H. Senna,	12.50	
A. G. Studley,	272.50	
E. B. Swift,	150.00	
R. R. Topham,	960.00	
W. B. Topham,	181.75	
C. A. Tuell,	528.75	
F. D. Whitney,	2.75	$4,655.57
Transportation:		
E. C. Gardiner,	98.00	
S. F. Perry & Son,	22.00	
Union Street Railway Co.,	5.00	125.00
		$4,780.57
To transfer to balance,		1,219.43
		$6,000.00

Cr.

By appropriation,	$4,000.00
Transfer from unappropriated funds,	2,000.00
	$6,000.00

BOARD OF HEALTH.

Dr.

Salaries:		
William E. Macomber, health officer,	$924.00	
Dr. C. A. Pratt, physician,	458.37	
Louis H. Richardson, inspector,	1,283.37	
Susie J. Small, clerk,	545.84	$3,211.58
Collecting garbage:		
Edgar H. Gammons,		13,750.00
Rent:		
Bates, Kirby & Co.,		458.36
Printing and advertising:		
E. Anthony & Sons,	190.59	
Mercury Publishing Co.,	19.58	210.17
Vaccinations:		
Anna W. Croacher, M. D.,		152.00
Incidentals:		
F. T. Akin & Co.,	5.78	
Dr. D. C. Ashley,	5.00	
Isaac L. Ashley,	60.75	
Ballard & Kirschbaum,	1.00	
R. G. Bennett,	16.00	
F. S. Blanchard & Co.	1.50	
C. T. Bosworth & Co.,	.25	
Briggs & Lawrence,	52.69	
Manuel Brown,	126.75	
C. B. Church,	16.00	
City Treasurer,	40.00	
W. H. Collins & Co.,	38.75	
Companhia Portugueza Editora,	2.25	
Thomas W. Cook,	68.16	
O. E. Covil,	4.00	
George M. Crapo,	2.75	
J. Davis & Co.,	2.25	
William Deacon,	74.00	
Frank M. Douglass,	194.35	
Engineering Department,	4.00	
W. H. Ernst, M. D.,	5.00	
Fries Bros.,	1.25	
W. A. Greenough & Co.,	2.50	
Grow & Hart,	6.50	
Haskell & Tripp,	2.04	

Hatch & Co.,	18.90	
George Hunter,	31.42	
H. S. Hutchinson & Co.,	.08	
J. S. Kelley & Son.	50	
Kirby & Hicks,	13.00	
L'Echo du Soir Publishing Co.,	9.75	
C. H. & H. A. Lawton Co.,	2.60	
Eli Lilley & Co.,	4.65	
William E. Macomber,	100.00	
N. B. Gas & Edison Light Co.,	9.05	
N. B. Steam Carpet Beating Co.,	3.60	
N. B. Tow Boat Co.,	110.00	
B. Otheman, Jr.,	2.75	
Samuel W. Peckham,	48.00	
S. F. Perry & Son,	2.00	
A. M. Pierce,	10.00	
Postal Telegraph Co.,	.25	
George D. Richards,	1.05	
L. H. Richardson,	30.00	
A. H. Rooks,	16.00	
Schering & Glatz,	31.75	
Mortimer Searles,	4.70	
Mattie J. Sears,	4.50	
W. C. Sheehy, M. D.,	135.00	
C. R. Sherman & Son,	1.25	
W. E. Smith,	5.25	
So. Mass. Telephone Co.	40.05	
Soule Decorating Co.	1.50	
Steamer Lillie,	5.00	
Robert W. Taber,	33.19	
Taber, Read & Gardner,	83.25	
Dr. E. E. Waite,	84.00	
Western Union Telegraph Co.,	10.20	
J. & W. R. Wing & Co.	.65	
Wood, Brightman & Co.,	2.50	1,589.91
		$19,372.02

CR.

By appropriation,	$16,840.00	
Cash receipts, as per Treasurer's report,	5.00	
Transfer to balance,	2,527.02	$19,372.02

CEMETERIES.

Dr.

Pay Rolls:		
Oak Grove,	$6,702.60	
Pine Grove,	606.94	
Rural,	10,499.31	$17,808.85
Salaries:		
Charles F. Cornell, superintendent,	1,100.00	
Nelson L. Pike, sexton,	550.00	
H. E. Thomas, sexton,	550.00	
Pardon A. Macomber, clerk,	858.00	3,058.00
Sundries:		
E. Anthony & Sons,	110.47	
F. S. Blanchard & Co.,	1.50	
Bliss & Nye,	8.86	
Briggs & Lawrence,	1.90	
F. S. Brightman,	1.10	
James Burke,	103.51	
William P. Butler,	16.92	
Central Union Association,	.84	
Coffin Bros.,	3.90	
W. H. Collins & Co.	80.35	
Edward G. Davis,	6.50	
Denison, Plummer & Co.,	20.80	
DeWolf & Vincent,	191.14	
David Duff & Son,	13.00	
E. C. Gardiner,	4.50	
M. S. Greene,	43.14	
W. A. Greenough & Co.,	7.50	
Jonathan Handy Co.,	6.20	
T. M. Hart & Co.,	9.47	
N. P. Hayes,	36.73	
Thomas Hersom & Co.,	11.00	
Hillman, Washburn & Co.,	12.33	
H. S. Hutchinson & Co.,	29.20	
P. P. Jenney,	7.90	
J. I. Jennings,	3.00	
Kirby & Hicks,	4.50	
C. H. & H. A. Lawton Co.,	1.63	
S. C. Lowe,	5.85	
P. A. Macomber,	68.02	
John W. Manchester,	7.44	
William Maxfield & Son,	5.20	
Merchants National Bank,	300.00	

Mercury Publishing Co.,	103.48	
E. D. Mosher,	45.96	
N. B. Gas & Edison Light Co.,	14.24	
N. B. Ice Co.,	12.92	
N. Y., N. H. & H. Railroad Co.,	14.55	
C. S. Paisler,	130.20	
S. S. Paine & Bro.,	24.90	
Julia Parker,	1.00	
L. V. Parker,	14.74	
I. H. Peckham,	2.58	
William Peirce,	4.50	
E. F. Penney,	69.07	
A. W. Perkins & Co.,	19.20	
Frank Perry & Co.,	185.56	
S. F. Perry & Son,	5.00	
E. H. Pierce,	2.95	
W. H. Reynard,	4.00	
E. G. Reynolds,	6.00	
George D. Richards,	6.34	
W. A. Robinson & Co.,	3.00	
Rotch Spinning Corporation,	4.35	
A. S. Rounsville & Co.,	3.33	
Mortimer Searles,	5.35	
C. R. Sherman & Son,	1.45	
So. Mass. Telephone Co.,	113.00	
Nat. P. Sowle,	.30	
W. F. Sturtevant,	.95	
A. A. Sylvia,	7.10	
Julius C. Sylvia,	53.55	
R. A. Taber,	16.93	
R. W. Taber,	3.50	
Taylor & Donaghy,	28.30	
Union Street Railway Co.,	70.00	
John Whiteside,	30.00	
Peleg C. Wilcox,	64.74	
Wilson & Wordell,	9.20	
C. F. Wing,	16.56	2,223.14
		$23,089.99
To transfer to balance,		2,954.99
		$26,044.98

Cr.

By appropriation,	$14,800.00	
Transfer from unappropiated funds,	4,000.00	
Cash receipts, as per Treasurer's report,	7,244.98	$26,044.98

CEMETERIES—SALE OF LOTS.

Dr.

Sundries:

Acushnet Iron Co.,	$45.00
J. C. Austin,	35.40
Wiliam S. Brown,	7.50
George L. Brownell,	150.00
James Burke,	83.29
Coggeshall, Maxfield & Co.,	4.08
John Connors,	101.70
Patrick Connors,	45.50
Edward G. Davis,	206.40
Mary W. Davis,	5.11
DeWolf & Vincent,	3.95
James Duddy,	149.80
David Ferguson,	180.00
T. J. Gifford & Co.,	8.00
Edward S. Haskell,	306.78
A. B. Hathaway,	53.10
Highways and streets,	470.68
Johnson & Howland,	22.55
Leonard Keene, Jr.,	20.47
S. C. Lowe,	28.00
John W. Manchester,	58.37
John McCue,	2.00
David T. Mendall,	9.35
Mishler Bros.,	102.60
N. B. Cordage Co.,	6.70
N. B. Gas & Edison Light Co.,	.50
N. B. Water Works,	4.94
J. A. Olstein,	40.00
C. S. Paisler,	6.50
David L. Parker,	10.00
Charles E. Peirce,	81.13
William Peirce,	12.75
A. W. Perkins & Co.,	72.00
E. F. Penney,	41.89
Frank Perry & Co.,	294.65
Joseph F. Perry,	42.29
C. G. & G. A. Randall,	5.69
Eli W. Reed,	17.68
Sanders & Barrows Clothing Co.,	8.25
Timothy Sheehan,	75.00
James L. Sherman,	27.27

John A. Smith,	106.75	
B. I. Stowell,	140.00	
J. P. St. Germain, M. D.,	50.00	
Francis Thorley,	108.00	
Alexander A. Tripp,	19.65	
S. Tynan,	8.50	
Wilson & Wordell,	20.80	
Wood, Brightman & Co.,	4.85	$3,305.42
December 6, 1897. To balance,		1,887.09
		$5,192.51

Cr.

January 4, 1797. By balance,	$462.51	
Cash receipts, as per Treasurer's report,	4,730.00	$5,192.51

Cr.

December 6, 1897. By balance,	$1,887.09

CEMETERY FUNDS.

December 6, 1897. By balance,	$26,734.00

CITY PROPERTY.

Dr.

Almshouse:		
F. T. Akin & Co.,	$24.79	
T. W. Chace & Co.,	13.29	
William Collins,	4.27	
M. S. Greene,	124.92	
Greene & Wood,	102.30	
Jenney & Buffington,	11.89	
Lewis & Padleford,	144.87	
S. C. Lowe,	45.30	
Lloyd Bros.,	12.00	
C. S. Paisler,	24.60	
E. F. Penney,	21.70	
C. F. Wing,	4.25	$534.18
Cemeteries:		
Charles E. Allen,	20.03	
F. W. Luscomb Machine Co.,	17.85	
Charles E. Peirce,	176.33	214.21
City Hall:		
J. L. Ballou,	10.95	
George Brennan,	99.74	
M. S. Gifford,	118.53	
N. B. Boiler & Machine Co.,	12.40	
N. B. Gas & Edison Light Co.,	.35	
E. F. Penney,	8.25	
E. H. Peirce,	13.50	
James H. Warren,	166.00	429.72
Engine Houses:		
Charles E. Allen,	25.40	
George A. Bosworth,	13.95	
General sewers,	2.36	
M. S. Greene,	20.98	
William G. Hayden,	40.09	
Highways and streets,	70.66	
John J. Meaney,	282.69	
James H. Warren,	259.00	
F. P. Washburn,	149.73	864.86
Library Building:		
F. T. Akin & Co.,	17.50	
Almy & Hitch,	.65	
J. L. Ballou,	564.19	
Blossom Bros.,	171.11	

C. L. Dunham,	9.63	
B. F. Fish,	121.49	
M. S. Gifford,	280.66	
Edward S. Haskell,	116.26	
George E. Hatch,	421.54	
William G. Hayden,	31.36	
Anthony Loftus,	19.10	
John W. Look,	25.55	
Llewlyn Lloyd,	12.65	
N. B. Boiler & Machine Co.,	164.17	
N. B. Gas & Edison Light Co.,	26.78	
E. F. Penney,	23.75	
A. W. Perkins & Co.,	1.75	
James L. Sherman,	12.10	
L. R. Washburn,	87.91	
James H. Warren,	60.00	2,168.15
Police Stations:		
J. L. Ballou,	267.17	
Peter Black,	21.82	
George A. Bosworth,	2.08	
C. L. Dunham,	65.35	
John H. Ennis,	103.32	
General sewers,	8.78	
M. S. Gifford,	752.78	
N. P. Hayes,	3.14	
M. A. Hickey,	853.25	
A. B. Kimball,	50.64	
John W. Look,	34.65	
J. L. G. Mason,	811.37	
John J. Meaney,	462.57	
N. B. Boiler & Machine Co.,	11.53	
N. B. Gas & Edison Light Co.	2.10	
J. V. O'Neil,	48.99	
A. W. Perkins & Co.,	190.51	
James L. Sherman,	23.44	
James H. Warren,	132.85	3,846.34
Ward Rooms:		
Charles E. Allen,	30.29	
William P. Butler,	1.93	
William H. Caswell,	1.93	
T. W. Croacher,	1.00	
N. B. Water Works,	4.36	
S. S. Paine & Bro.,	2.43	
C. S. Paisley,	3.65	
E. F. Penney,	26.30	71.80

Miscellaneous:		
E. Anthony & Sons,	21.41	
Isaac L. Ashley,	11.00	
S. E. Bentley,	3.50	
Briggs & Lawrence,	93.37	
Davis street sewer,	72.21	
C. L. Dunham,	2.50	
Highways and streets,	36.24	
S. C. Hunt,	6.98	
L. A. Keith,	45.00	
Kirby & Hicks,	20.00	
Mercury Publishing Co.	16.67	
Mill street sewer,	15.32	
E. H. Pierce,	6.00	
A. P. Pope,	110.76	
George D. Richards,	36.00	
R. W. Taber,	28.00	
Taylor & Sawtelle,	8.51	
David Warren,	12.00	
C. F. Wing,	115.85	
T. G. Wing,	60.00	721.32
		$8,850.58
To transfer to balance,		2,262.32
		$11,112.90

Cr.

By appropriation,	$5,600.00	
Transfer from unappropriated funds,	5,500.00	
Cash receipts, as per Treasurer's report,	12.90	$11,112.90

ALMSHOUSE, CHANGES AND ALTERATIONS.

Dr.

William R. Collins,	$103.61	
N. B. Water Works,	1,355.54	
E. & K. C. Terry,	49.04	$1,508.19
December 6, 1897. To balance,		12,991.81
		$14,500.00

Cr.

By special appropriation,	$14,500.00

Cr.

December 6, 1897. By balance,	$12,991.81

POLICE STATION, KEMPTON AND CEDAR STREETS.

Dr.

Benson & Bulman,	$4,671.04	
General sewers,	26.97	
N. B. Water Works,	4.90	
R. H. Slack,	597.10	$5,300.01
December 6, 1897. To balance,		11,759.99
		$17,060.00

Cr.

By special appropriation,	$17,060.00

Cr.

December 6, 1897. By balance,	$11,759.99

POLICE STATION LOT, KEMPTON AND CEDAR STREETS.

DR.

Ida E. Bailey,	$3,000.00

CR.

By special appropriation,	$3,000.0

SCHOOL HOUSE LOT, MAITLAND STREET.

DR.

Rodolphus Beetle,	$2,956.84

CR.

By special appropriation,	$2,956.84

COMMONWEALTH OF MASSACHUSETTS, CHAP. 62 OF 1894.

BURIAL OF SOLDIERS.

DR.

January 4, 1897. To balance,	$560.00
Robert G. Bennett,	35.00
	$595.00

CR.

By cash receipts, as per Treasurer's report,	$490.00	
December 6, 1897. Balance,	105.00	$595.00

DR.

December 6, 1897. To balance,	$105.00

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 279 OF 1894.

SOLDIERS' AID.

DR.

January 4, 1897. To balance,		$1,472.61
City Treasurer,		2,052.00
		$3,524.61

CR.

By appropriation,	$1,200.00	
Cash receipts, as per Treasurer's report,	1,261.00	
December 6, 1897. Balance,	1,063.61	$3,524.61

COMMONWEALTH OF MASSACHUSETTS. CHAPTER 279 OF 1896.

BURIAL OF SOLDIERS.

DR.

To Robert G. Bennett,	$105.00	
" T. J. Murphy,	35.00	
" J. D. Sullivan,	35.00	
" W. C. Vaughan, Jr.,	70.00	
" E. T. Wilson,	70.00	$315.00

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 301 OF 1894.

STATE AID.

DR.

January 4, 1897. To balance,	$9,476.53
City Treasurer,	9,331.14
	$18,807.67

CR.

By cash receipts, as per Treasurer's report,	$9,371.50	
December 6, 1897. Balance,	9,436.17	$18,807.67

DR.

December 6, 1897. To balance,	$9,436.17

COMMONWEALTH OF MASSACHUSETTS, CHAPTER 447 OF 1890.

SOLDIERS' RELIEF.

DR.

City Treasurer,	$5,579.98	
Martin Bartley,	8.05	
David Duff & Son,	21.45	
Stephen Haffords, Jr.,	26.00	
Dr. George F. Lewis,	31.00	
Town of Middleboro,	108.00	
Dr. A. M. Peirce,	28.00	
Sanders & Barrows Clothing Co.,	1.25	$5,821.73

CR.

By appropriation,	$4,000.00	
Transfer to balance,	1,821.73	$5,821.73

COURT JUDGMENTS.

Dr.

Fonshonetta H. Hersey,	$260.01	
Matilda J. Lowe,	50.00	$310.01

Cr.

By transfer to balance,	$310.01

ELECTION FUNDS.

Dr.

Precinct Officers,		$1,175.00
Rents:		
H. M. Blake,	$16.00	
Spruce Street Christian Church,	25.00	41.00
Printing and advertising:		
E. Anthony & Sons,	865.80	
Catholic Union Publishing Co.,	149.75	
L'Echo du Soir Publishing Co.,	126.50	
Mercury Publishing Co.	306.52	1,448.57
Hack Hire:		
Isaac L. Ashley,	3.00	
E. C. Gardiner,	6.00	
Kirby & Hicks,	3.00	
S. F. Perry & Son,	3.00	
E. J. Reynolds,	3.00	
T. S. Swift,	9.00	27.00
Incidentals:		
Nathan B. Brooks,	1.16	
A. T. Brownell,	5.50	
Briggs & Lawrence,	.80	
T. S. Corson,	1.50	
C. S. & B. Cummings,	.72	
W. H. Collins & Co.,	29.85	
Faunce & Johnson,	157.93	
B. F. Hathaway, Jr.,	41.25	
H. S. Hutchinson & Co.,	16.35	
A. V. Jason,	10.00	

Hiram W. Look,	6.00	
S. C. Lowe,	.75	
A. G. Luce,	2.00	
N. B. Gas & Edison Light Co.,	8.60	
John Notter,	1.70	
A. D. Piper,	18.00	
D. M. Piper,	1.00	
Patrick Petterson,	9.50	
W. H. B. Remington,	7.00	
Robert S. Robson,	33.25	
C. R. Sherman & Son,	.25	
E. T. Sherman,	48.00	
So. Mass. Telephone Co.,	35.00	
A. C. Spooner,	7.00	
Stark Tool Co.,	.75	
Robert W. Taber,	4.45	
Turner Specialty Co.,	15.00	463.31
		$3,154.88
To transfer to balance,		2,345.12
		$5,500.00

Cr.

By transfer from unappropriated funds,	$5,500.00

ENGINEERING DEPARTMENT.

Dr.

Pay Rolls:		$2,304.00
William F. Williams, City Engineer,		5,171.10
F. T. Akin & Co.	$2.13	
E. Anthony & Sons,	41.89	
Isaac L. Ashley,	3.00	
F. S. Blanchard & Co.,	1.50	
F. S. Brightman,	31.79	
C. O. Brightman,	11.42	
Church & Hammond,	1.10	
W. H. Collins & Co.,	29.50	
C. S. & B. Cummings,	2.25	
A. B. Drake,	230.16	
W. T. Emery,	3.00	
Frost & Adams Co.,	17.38	
Greene & Wood,	2.50	
T. M. Hart & Co.,	.92	
Hatch & Co.,	8.30	
N. P. Hayes,	.16	
Highways and streets,	63.56	
Hillman, Washburn & Co.,	.59	
H. S. Hutchinson & Co.,	9.10	
P. P. Jenney,	2.83	
Mrs. E. V. Kendall,	1.00	
Keuffel & Esser Co.,	12.57	
Kirby & Hicks,	21.50	
Library Bureau,	7.50	
Mercury Pub. Co.,	32.87	
J. E. Moody,	5.13	
Municipal Engraving Co.,	2.00	
N. B. Gas & Edison Light Co.,	18.83	
N. B. Ice Co.,	12.92	
N. B. School Department,	2.00	
N. Y. N. H. & H. Railroad Co.,	.25	
Geo. H. Nye,	1.70	
Odd Fellows Building Association,	645.15	
S. F. Perry & Son,	38.50	
A. D. Piper,	2.48	
Geo. D. Richards,	2.42	
Geo. H. Richter & Co.,	54.17	
Mortimer Searles,	2.00	
C. R. Sherman & Son,	.50	

L. E. Shurtleff,	4.00	
So. Mass. Telephone Co.,	49.00	
Spaulding Print Paper Co.,	51.50	
John B. Sullivan,	133.25	
Robert W. Taber,	29.21	
Union Street Railway Co.,	175.00	
United Type Writer & Supplies Co.,	1.00	
Wyckoff, Seamans & Benedict,	5.10	
Wm. F. Williams,	59.94	
Chas. F. Wing,	9.00	1,843.57
		$9,318.67

CR.

By appropriation,	$8,000.00	
Transfer from unappropriated funds,	1,300.00	
Cash receipts, as per Treasurer's report,	1.12	
Transfer to balance,	17.55	$9,318.67

ENGINEERING DEPARTMENT. GRADE CROSSINGS.

Dr.

Pay Rolls:		$436.75
E. Anthony & Sons,	$7.40	
C. O. Brightman,	3.06	
W. H. Collins & Co.,	1.25	
George A. Kimball,	72.70	
Kirby & Hicks,	2.00	
Frank P. McKibben,	54.15	
Mercury Publishing Co.,	11.08	
George H. Nye,	2.40	
S. F. Perry & Son,	2.00	
Frank R. Slocum,	.50	
So. Mass. Telephone Co.,	18.25	
W. U. Telegraph Co.,	1.32	
W. F. Williams,	323.73	499.84
		$936.59
December 6, 1897. To balance,		978.29
		$1,914.88

Cr.

January 4, 1897,	$414.88	
Transfer from unappropriated funds,	1,500.00	$1,914.88

Cr.

December 6, 1897. By balance,	$978.29

FIRE DEPARTMENT.

Dr.

Pay rolls:		
Frederick Macy, chief engineer,	$916.63	
Loring T. Parlow, 1st assistant engineer,	320.87	
Edward F. Dahill, 2d assistant engineer,	229.13	
Allen W. Tinkham, 3d assistant engineer,	83.32	
J. J. Donaghy, 3d assistant enginneer,	145.81	
William A. Gibbs, 4th assistant engineer,	229.13	
Frederick B. Macy, clerk,	183.37	$2,108.26
Protecting society,		150.00
Permanent men,		37,547.96
Engine Co. No. 1,	1,404.55	
" No. 2,	666.56	
" No. 4,	1,393.24	
" No. 5,	1,393.74	
" No. 6,	1,393.74	
" No. 7,	1,393.74	
" No. 8,	1,394.17	
" No. 9,	575.00	
Hook and Ladder Co., No. 1,	1,270.48	
" " No. 2,	1,272.50	
" " No. 3,	1,223.38	
Hose Co. No. 2,	687.50	
Chemical Co. No. 1,	412.50	14,481.10
Repairs of Wagons and Engines:		
Babbitt, Wood & Co.,	2.95	
George L. Brownell,	70.75	
Brownell, Ashley & Co.,	154.27	
E. M. Durfee,	66.34	
Fichtenmeyer & Flynn,	29.30	
James R. Forbes, manager,	62.50	
Gardner & Southwick,	10.87	
L. J. Hathaway,	11.05	
Clarence Lowell,	46.75	
Manchester Locomotive Works,	1.25	
T. J. Moriarty,	5.72	
N. B. Boiler & Machine Co.,	36.90	498.65
Repairs of Harnesses:		
William Cronin & Co.,	216.63	
C. F. Cushing,	51.30	

F. A. Frates,	54.05	
T. F. Healey,	72.45	
George G. Huddy,	18.55	412.98
Repairs of Engine Houses:		
F. T. Akin & Co.,	92.42	
A. W. Allen,	.93	
Charles E. Allen	95.74	
Babbitt, Wood & Co.,	1.19	
J. L. Ballou,	151.24	
Benson & Bulman,	173.60	
Geo. A. Bosworth,	275.92	
C. O. Brightman,	8.17	
Henry Bulman,	52.75	
Coggeshall, Maxfield & Co.,	6.45	
M. E. Daley,	12.02	
P. D. Drew,	31.62	
C. L. Dunham,	133.29	
Gardner & Southwick,	.35	
M. S. Gifford,	77.42	
T. J. Gifford & Co.,	72.12	
M. S. Greene,	14.71	
Greene & Wood,	170.61	
Francis W. Hammond,	84.30	
Wm. G. Hayden,	393.38	
M. A. Hickey,	18.20	
M. McCarty,	5.00	
John J. Meaney,	280.05	
N. B. Boiler & Machine Co.,	11.17	
Chas. E. Nickerson,	5.12	
J. V. O'Neil,	165.68	
C. S. Paisler,	5.59	
John F. Parker,	.60	
E. F. Penney,	2.90	
James L. Sherman,	7.56	
Michael Sherrin,	10.56	
Martin H. Sullivan,	15.90	
E. & K. C. Terry,	56.18	
Chas. Thompson,	7.15	
Hiram C. Tripp,	1.32	
Wm. R. West,	108.62	
Wood, Brightman & Co.,	7.04	2,556.87
Hay, Grain and Fuel:		
F. M. Bates,	47.88	
William Baylies,	553.26	

George A. Bosworth,	22.95	
J. A. Bouvier,	126.86	
Joseph T. Brownell,	69.32	
Frank H. Cornell,	196.36	
T. S. Corson,	740.58	
Denison Bros. Co.,	187.51	
Denison, Plummer Co.,	570.55	
D. Duff & Son,	.85	
J. C. Gammons,	13.32	
Estate Simeon Hawes,	113.80	
Clark W. Holcomb,	111.20	
John J. Howland,	50.92	
Charles S. Keiley,	709.75	
J. Frank Kirk,	264.18	
Frederick Macy,	8.00	
Mortimer McCarty,	278.34	
N. F. Mendall,	17.48	
Thomas N. Nash,	93.85	
John Notter,	135.76	
George H. Parker,	4.56	
Seth Peirce,	103.00	
Poor Department,	430.80	
D. H. Potter,	41.64	
R. H. Tallman,	12.51	
John A. Vera,	12.70	
J. E. Vierio,	11.74	
E. Williams,	13.54	4,943.21
Horse Hire:		
Henry T. Ashley,	140.00	
J. V. Bancroft,	76.00	
T. S. Corson,	122.50	
Isaac H. Manchester,	148.00	
Mortimer McCarty,	5.00	
Geo. J. Parker,	15.00	
Frank Perry,	289.00	
Frank B. Ricketson,	300.97	
Timothy Sheehan,	124.00	
Jos. W. Spooner,	5.00	
David Warren,	156.00	1,381.47
Labor:		
M. E. Daley,	20.65	
Fred'k Macy,	26.63	47.28
Blacksmithing:		
F. A. Bonneau,	74.20	

Brownell Ashley & Co.,	55.77	
N. H. Caswell,	42.45	
H. B. Churbuck,	51.70	
Fichtenmeyer & Flynn,	79.53	
John W. Footman,	41.38	
N. T. Fuller,	12.50	
A. E. Hathaway,	32.80	
J. L. Luce,	52.60	
E. L. Macomber,	40.32	
E. B. Macy,	208.27	
Ernest F. McCarty,	13.05	
Taylor & Donaghy,	76.78	
U. Vigneault,	29.58	810.93
Supplies:		
Acushnet Iron Co.,	10.74	
F. T. Akin & Co.,	.91	
American Tube Works,	23.77	
Babbitt, Wood & Co.,	7.30	
Lot B. Bates,	.55	
J. A. & W. Bird & Co.,	151.88	
Brightman Bros.,	12.52	
Cornelius Callahan,	97.40	
George A. Cobb,	12.51	
Covel & Osborne,	27.60	
C. S. & B. Cummings,	1.35	
DeWolf & Vincent,	44.69	
Thomas Donaghy,	6.00	
Driscol, Church & Hall,	121.44	
Edes Manufacturing Co.,	80.00	
Gardner & Southwick,	5.75	
Jonathan Handy Co.,	2.30	
T. M. Hart & Co.,	3.48	
N. P. Hayes,	87.38	
Thos. Hersom & Co.,	6.00	
George W. Hillman,	9.75	
Hillman Washburn & Co.,	52.93	
Knowlton, Packing Co.,	2.19	
S. C. Lowe,	31.12	
A. W. Mitchell Manf'g Co.,	4.54	
A. J. Morse & Son,	7.20	
Morse Twist Drill & Machine Co.,	5.00	
N. B. Boiler and Machine Co.,	1.20	
N. B. Copper Co.,	4.37	
N. B. Cordage Co.,	3.99	

N. E. Gamewell Co.,	531.00	
N. J. Car Spring & Rubber Co.,	99.00	
C. N. Perkins & Co.,	180.00	
E. H. Pierce,	31.83	
Geo. D. Richards,	31.49	
F. L. Sowle & Co.,	4.86	
Taylor & Sawtelle,	13.98	
Wamsutta Mills,	30.00	
John S. Williams,	74.75	1,822.77
Miscellaneous:		
F. T. Akin & Co.,	2.15	
Allen's Express,	1.50	
Almy & Hitch,	2.89	
E. Anthony & Sons,	132.56	
Isaac L. Ashley,	11.25	
Bates, Kirby & Co.,	8.00	
John B. Baylies,	8.80	
Bliss & Nye,	5.00	
C. T. Bosworth & Co.,	104.10	
Briggs & Lawrence,	217.08	
F. S. Brightman,	10.00	
Bullock & Waldron,	14.05	
Catholic Union Publishing Co.,	2.25	
W. H. Collins & Co.,	2.75	
Pardon Cornell,	16.75	
H. T. Corson,	13.90	
The J. T. Cowper Co.,	9.00	
E. F. Dahill,	2.54	
Dr. A. C. Daniels,	8.00	
Walter H. Darling,	11.67	
D. H. Demoranville,	.50	
Dr. H. H. Dews,	11.00	
Frank Duddy,	.75	
James Duddy,	2.50	
Frank M. Douglass,	39.27	
William H. Dunham,	10.20	
A. A. Dunlap,	65.50	
Elliot Chemical Works,	1.10	
W. T. Emery,	.70	
Fairfield Ice Co.,	15.90	
C. A. Galligan,	265.24	
E. C. Gardiner,	20.00	
Gardner & Southwick,	186.25	
Gibbs & Nelson,	10.00	

C. M. Gifford,	225.00	
Charles A. Gray & Co.	60.69	
T. M. Hart & Co.,	12.04	
Hatch & Co,	13.35	
A. E. Hathaway,	60.00	
Geo. S. Homer,	9.00	
Hopkins & Wright,	4.50	
H. S. Hutchinson & Co.,	49.00	
P. P. Jenney,	33.15	
Mrs. E. V. Kendall,	8.17	
C. L. Kenyon,	65.00	
L. A. Littlefield,	4.30	
Fred'k Macy,	361.15	
H. M. Maine,	34.44	
Mercury Pub. Co.,	9.63	
Morse Twist Drill & Machine Co.,	2.47	
N. B. Boiler & Machine Co.,	6.03	
N. B. Street Transporation Co.,	1,460.00	
N. B. Gas & Edison Light Co.,	764.93	
N. B. Ice Co.,	26.56	
N. E. Gamewell Co.,	90.50	
H. Normandin,	2.00	
Pairpoint Manf'g Co.,	3.35	
Horace Partridge Co.,	107.62	
H. S. Peirce,	105.00	
Pierce, Lewis & Co.,	38.50	
Wm. P. Reed,	8.33	
Sanders & Barrows Clothing Co.,	7.00	
J. H. Shay, Jr.,	61.50	
C. R. Sherman & Son,	5.97	
F. R. Slocum,	69.85	
So. Mass. Tel. Co.,	454.00	
Sulpho Napthol Co.,	48.00	
T. S. Swift,	16.00	
A. A. Sylvia,	17.00	
Robert W. Taber,	21.75	
George Thomas,	19.00	
Union Street Railway Co.,	5.00	
E. B. Whiting & Co.,	155.34	
C. F. Wing,	36.75	5,695.02
		$72,456.50

CR.

January 4, 1897. By balance,		$178.50
Appropriation,	$56,000.00	
Transfer from unappropriated funds,	14,000.00	
Cash receipts, as per Treasurer's report,	60.18	
Transfer to balance,	2,217.82	72,278.00
		$72,456.50

FIRE DEPARTMENT. UNDERGROUND WIRES.

DR.

Pay Roll:	$24.50	
Acushnet Iron Co.	10.68	
W. R. Brixey,	640.27	
C. A. Gray & Co.,	17.31	
E. B. Macy,	11.72	
Frederick Macy,	37.95	
N. B. Boiler & Machine Co.,	20.59	$763.02
December 6, 1897. To balance,		350.88
		$1,113.90

CR.

January 4, 1897. By balance,	$113.90	
Transfer from unappropriated funds,	1,000.00	$1,113.90

CR.

December 6. 1897. By balance,	$350.88

FREE PUBLIC LIBRARY.

Dr.

Salaries:		
R. C. Ingraham, Librarian,	$2,062.50	
B. W. Pennock, Assistant Librarian,	1,512.50	
Mary E. Brown, Assistant,	24.00	
Anna M. DeWolf, "	516.87	
Florence E. Farwell, "	478.86	
Susie H. Gammons, "	495.00	
E. L. Jones, "	65.00	
Etta F. Lawrence, "	478.54	
Emma J. Merrick "	76.50	
Josephine A. Merrick, "	495.00	
L. N. Nichols, "	1,060.00	
Y. W. Ames, Janitor,	672.00	
P. H. Dollard, "	60.00	
D. J. McAuliffe "	10.00	
Charles Bly, Page,	44.00	
Charles Brownell, Page,	35.90	
Clifton Hatch, "	21.00	
Frederick L. Jason, "	33.02	
Arthur C. Lee, "	87.50	
George C. Lees, "	150.50	
Herbert E. Macy, "	163.33	
Edward Norris, "	50.75	
Thomas Wilson, "	15.75	
Clement L. Yaeger, "	296.88	$8,905.40
E. Anthony & Sons,	7.50	
W. H. Collins & Co.,	124.00	
S. H. Cook & Co.,	187.50	
H. S. Hutchinson & Co.,	15.94	
Library Bureau,	130.16	
Rotch & Potter,	187.50	
H. H. Sampson,	445.05	1,097.65
		$10,003.05
To transfer to balance,		496.95
		$10,500.00

Cr.

By appropriation,	$8,000.00	
Transfer from unappropriated funds,	2,500.00	$10,500.00

FREE PUBLIC LIBRARY—DOG FUND.

Dr.

Almy & Milne,	$3.00	
E. Anthony & Sons,	273.62	
F. Apollos Bradley,	8.80	
George L. Briggs,	40.35	
Briggs & Lawrence,	39.54	
F. S. Brightman,	10.23	
Coffin Bros.,	10.00	
W. H. Collins & Co.,	503.84	
W. G. Dennison,	3.00	
Greene & Wood,	6.48	
H. S. Hutchison & Co.,	252.74	
Journal of Commerce,	10.00	
L'Echo du Soir,	21.00	
Library Bureau,	88.82	
Mercury Pub. Co.,	70.51	
Geo. R. Phillips,	3.00	
A. P. Pope,	11.74	
P. B. Sanford,	5.00	
C. D. Waldron,	1.00	$1,362.67
Dec. 6, 1897. To balance,		163.33
		$1,526.00

Cr.

January 4, 1897. By balance,	$197.22	
Cash receipts as per Treasurer's report,	1,328.78	$1,526.00

Cr.

Dec. 6, 1897. By balance,	$163.33

FREE PUBLIC LIBRARY TRUSTEES, JAMES B. CONGDON FUND.

Dr.

E. T. Bannon,	$1.50	
George E. Littlefield,	154.68	$156.18
December 6, 1897. To balance,		43.91
		$200.09

Cr.

January 4, 1897. By balance,	$185.09	
Cash receipts, as per Treasurer's report,	15.00	$200.09

Cr.

December 6, 1897. By balance,	$43.91

FREE PUBLIC LIBRARY TRUSTEES, GEORGE O. CROCKER FUND.

Dr.

Bancroft-Whitney Co.,	$4.00	
N. J. Bartlett & Co.,	23.35	
H. S. Hutchinson & Co.,	220.55	
Little, Brown & Co.,	1.50	
Samuel E. Miller,	2.00	
Sidney Rider, Agent,	3.50	
Robert W. Taber,	222.79	
The Johns Hopkins Press,	1.65	$479.34
Dec. 6, 1897. To balance,		13.58
		$492.92

Cr.

January 4, 1897. By balance,	$292.92	
Cash receipts, as per Treasurer's report,	200.00	$492.92

Cr.

December 6, 1897. By balance,	$13.58

FREE PUBLIC LIBRARY TRUSTEES, OLIVER CROCKER FUND.

Dr.

N. J. Bartlett & Co.,	$8.95	
H. S. Hutchinson & Co.,	14.64	
Robert W. Taber,	23.36	
William H. Winslow,	1.13	$48.08
December 6, 1897. To balance,		13.65
		$61.73

Cr.

January 4, 1897. By balance,	$31.73	
Cash receipts, as per Treasurer's report,	30.00	$61.73

Cr.

December 6, 1897. By balance,	$13.65

FREE PUBLIC LIBRARY TRUSTEES, GEORGE HOWLAND, JR., FUND.

Dr.

S. G. Gidley,	$10.00	
Harper's Weekly Club,	40.00	
D. H. Hurd & Co.,	30.00	
H. S. Hutchinson & Co.,	8.00	
George T. King,	30.40	
Little, Brown & Co.,	13.50	$131.90
December 6, 1897. To balance,		191.23
		$323.13

Cr.

January 4, 1897. By balance,	$275.13	
Cash receipts, as per Treasurer's report,	48.00	$323.13

Cr.

December 6, 1897. By balance,	$191.23

FREE PUBLIC LIBRARY, SYLVIA ANN HOWLAND FUND.

DR.

Academy of Natural Science,	$5.00
Almy & Milne,	3.00
American Antiquarian Society,	3.50
American Friend,	1.75
B. S. Bachelor,	6.00
Bancroft-Whitney Co.,	20.00
E. T. Bannon,	2.25
N. J. Bartlett & Co.,	124.14
Boston Book Co.,	61.50
F. S. Blanchard & Co.,	1.50
Z. M. Briggs,	2.50
Bureau of American Republics,	5.00
T. H. Castor Co.,	60.83
A. S. Clark,	44.81
Frederick C. Clarke,	1.50
Cleveland Public Library,	5.00
Damrell & Upham,	6.55
Dante Society,	2.00
Egypt Exploration Fund,	10.00
A. M. Elliott,	1.50
W. A. Greenough & Co.,	2.50
Haight & Co.,	2.50
Walter S. Houghton,	29.65
H. S. Hutchinson & Co.,	728.01
Jordan, Marsh & Co.,	12.58
Henry R. Johnson,	1.00
Library Bureau,	3.56
Little, Brown & Co.,	44.77
Massachusetts Historical Society,	6.00
Samuel E. Miller,	6.50
D. E. Pannebacker,	3.00
Public Opinion Co.,	1.10
Publisher's Weekly,	3.68
Rand, McNally & Co.,	10.50
Sidney S. Rider, agent,	1.30
Geo. Ringrose,	1.00
Samuels & Kimball,	3.00
Henry H. Sampson,	10.25
Sampson, Murdock & Co.,	13.00
Chas. Scribner's Sons,	6.00

Gustave E. Stechert,	110.43	
Abraham Taber,	2.50	
Robert W. Taber,	811.54	
Jos. Thornton & Son,	9.52	
Writer Pub. Co.,	6.00	$2,201.22
Dec. 6, 1897. To balance,		911.43
		$3,112.65

Cr.

January 4, 1897. By balance,	$1,612.65	
Cash receipts as per Treasurer's report,	1,500.00	$3,112.65

Cr.

Dec. 6, 1897. By balance,	$911.43

FREE PUBLIC LIBRARY TRUSTEES, CHARLES W. MORGAN FUND.

Dr.

N. J. Bartlett & Co.,	$6.00	
December 6, 1897. To balance,	85.61	$91.61

Cr.

January 4, 1897.	$61.61	
Cash receipts, as per Treasurer's report,	30.00	$91.61

Cr.

December 6, 1897. By balance,	$85.61

FREE PUBLIC LIBRARY TRUSTEES, CHARLES L. WOOD FUND.

Dr.

George E. Littlefield,	$14.10	
December 6, 1897. To balance,	68.05	$82.15

Cr.

January 4, 1897. By balance,	$42.15	
Cash receipts, as per Treasurer's report,	40.00	$82.15

Cr.

December 6, 1897. By balance,	$68.05

FREE PUBLIC LIBRARY TRUSTEES, READING ROOM FUND.

Dr.

Benjamin Andress,	$78.00
E. Anthony & Sons,	7.65
William F. Bannon,	75.00
John B. Baylies,	15.00
F. Apollos Bradley,	16.70
George L. Briggs,	4.08
Briggs & Lawrence,	61.00
W. H. Collins & Co.,	11.00
A. Drummond,	7.00
Hathaway & Co.,	2.20
Bertram Humphries,	75.00
H. S. Hutchinson & Co.,	20.00
L'Echo du Soir Publishing Co.,	2.70
Library Bureau,	6.00
Mercury Publishing Co.,	17.00

George D. Richards,	1.70	
M. L. Sylvia,	1.90	
Robert W. Taber,	8.10	
Taylor & Sawtelle,	29.60	
Charles F. Wing,	60.50	$500.13
December 6, 1897. To balance,		2,005.87
		$2,506.00

Cr.

January 4, 1897. By balance,	$2,500.00	
Cash receipts, as per Treasurer's report,	6.00	$2,506.00

Cr.

December 6, 1897. By balance,	$2,005.87

HIGHWAYS AND STREETS.

Dr.

Pay Rolls:		$102,166.40
Teaming:		
Seth Alden,	$194.09	
A. H. Allen,	20.50	
A. W. Allen,	13.06	
Dr. D. C. Ashley,	14.75	
Babbitt, Wood & Co.,	15.00	
William Baylies,	1,560.68	
William R. Bowman,	5.00	
Joseph T. Brownell,	57.44	
Brownell, Ashley & Co.,	814.85	
Elihu Bunker,	3.50	
A. L. Couet,	1.73	
Crockett Bros. & Co.,	104.99	
William Cronin & Co.,	68.70	
C. F. Cushing,	235.10	
Dr. A. C. Daniels,	28.00	
John C. DeMello, Jr.,	45.24	
Denison, Plummer Co.,	3,003.12	
Fichtenmeyer & Flynn,	1.10	

C. H. Forbes,	1.10	
John W. Footman,	11.35	
J. N. Gage,	29.50	
Charles F. Grow,	6.70	
Grow & Hart,	164.45	
A. E. Hathaway,	18.40	
L. J. Hathaway,	41.00	
George G. Huddy,	142.98	
James A. Jay,	27.92	
P. P. Jenney & Son,	95.10	
C. L. Kenyon & Co.,	258.05	
J. Frank Kirk,	1,142.70	
Joseph Lawrence,	48.28	
Ernest McCarty,	.38	
N. B. Street Transportation Co.,	525.00	
A. W. Perkins & Co.,	8.25	
William A. Reed,	17.04	
F. B. Ricketson,	575.61	
Morgan Rotch,	30.16	
Smith & Goold,	6.00	
Charles G. Taber,	.50	
Henry W. Tripp,	42.32	
Viscol Co.,	17.50	
Benjamin Wilson,	32.74	
James Woodard & Co.,	8.75	9,438.63
Repairs of Boilers, Crushers and Rollers:		
Acushnet Iron Co.	13.47	
George E. Allen,	22.80	
Babbitt, Wood & Co.,	139.48	
Farrell Foundry & Machine Co.	146.00	
Gardner & Southwick,	1.75	
Harrisburg Foundry & Machine Co.	22.80	
J. H. Houghton,	1,252.71	
N. B. Boiler & Machine Co.,	139.33	
S. G. Nightingale & Childs,	4.00	
Park Commission,	9.50	
E. C. Taber,	42.87	
Taylor Iron & Steel Co.,	732.10	
Frank S. Tripp,	154.10	2,680.91
Supplies and Material:		
F. T. Akin & Co.,	52.75	
Job Almy,	2.16	
Ames Plow Co.,	31.90	
Babbitt, Wood & Co.,	1.62	

J. V. Bancroft,	15.00
Blossom Bros.,	221.00
Church & Hammond,	1.50
City Coal Co.,	245.17
Considine Bros.,	3.90
T. S. Corson,	575.96
Henry W. Cushman,	4.21
George Delano's Sons,	47.78
DeWolf & Vincent,	210.99
W. S. Dodge,	12.00
Driscol, Church & Hall,	36.25
David Duff & Son,	759.60
Fiske Bros. Refining Co.,	90.24
F. E. Fitts Manufacturing & Supply Co.,	28.53
Garfield & Proctor Coal Co.,	31.03
Greene & Wood,	83.22
Charles A. Gray, Jr.,	6.20
Charles A. Gray & Co.,	46.50
James B. Hamlin,	16.02
Jonathan Handy Co.,	574.28
George E. Hatch,	6.24
N. P. Hayes,	253.33
Haywood Bros., & Wakefield Co.,	50.50
Hillman, Washburn & Co.,	102.59
A. W. Holmes,	84.67
George Kirby, Jr., & Co.,	75.19
S. C. Lowe,	201.23
T. N. Motley & Co.,	96.72
N. B. Boiler & Machine Co.,	66.02
N. B. Cordage Co.,	34.07
N. B. Gas & Edison Light Co.,	1,363.50
N. B. Rubber Co.,	3.59
S. S. Paine & Bro.,	652.04
Charles S. Paisler,	4.75
A. W. Perkins & Co.,	1,869.12
E. H. Pierce,	186.73
C. G. & G. A. Randall,	86.35
Anson A. Reed,	2.10
Abiatha Rogers,	2.60
John A. Russell,	77.60
F. L. Sowle & Co.,	13.88
Standard Oil Co.,	95.57
Wamsutta Mills,	14.91
Wakefield Rattan Co.,	25.50
Waite, Williams & Co.,	102.83

William R. West,	174.07	
C. E. Westgate,	20.50	
Wood, Brightman & Co.,	6.50	
Wilson & Wordell,	12.60	
F. L. Young & Kimball,	73.67	8,856.78
Crusher and Paving Stone:		
Henry C. Allen,	216.88	
Charles M. Andrews,	147.82	
Reuben Arsenault,	44.98	
Arthur C. Ashley,	6.20	
A. H. Ashley,	1.79	
Charles S. Ashley,	.50	
Henry T. Ashley,	124.88	
L. P. Ashley,	32.74	
T. J. Ashley,	19.07	
William Austin,	2.02	
Dominie Bachant,	58.86	
O. Bachant,	4.20	
Henry Bartlett,	3.21	
Charles E. Beales,	696.98	
Samuel Benoit,	.57	
John Bertram,	47.77	
F. Blecha,	15.31	
Thomas Blecha,	88.32	
H. Bobin,	5.82	
Bolduc & Langlois,	77.20	
Jere. Bonneau,	5.37	
Mida Bonneau,	2.56	
Joseph Booker,	9.71	
George P. Booth,	18.29	
George B. Borden,	110.65	
James Bosnett,	1.77	
Joseph Boudreau,	56.29	
Frank Boudreau,	6.83	
L. F. Bouchard,	375.45	
Melvin O. Bradford,	31.46	
Philip A. Bradford,	53.06	
John H. Briggs,	1.26	
Annie Braga,	6.67	
Charles O. Brightman,	15.70	
W. H. Brightman,	144.93	
Joseph Brook,	8.33	
Charles T. Brownell,	22.83	
James Burke,	20.07	
E. M. Butts,	.62	

Edward H. Casey,	55.53
Zach. Chaffe,	31.09
George Coburn & Son,	12.39
George Coggeshall,	133.74
George A. Cobb,	27.13
John Connell,	80.33
John Conners,	157.88
Patrick Conners,	5.51
George G. Corey,	562.69
I. C. Corey,	45.68
Ferdinand Cormier,	5.32
T. S. Corson,	6.65
George Coven,	2.54
Eugene G. Crapo,	273.21
L. T. Davis,	133.55
J. Davoi,	10.82
Jacinth DeCosta,	290.22
A. G. Delano,	6.08
D. H. Demoranville,	1.03
W. F. Demoranville,	55.79
Alfred Desautels,	183.50
Moses Denault,	362.26
H. Deslauries,	9.09
J. Desautels,	27.28
Stanislaus Desautels,	60.58
William Doran,	2.69
C. H. Drown,	143.24
James Duddy,	83.94
David Duff & Son,	257.11
William W. Durfee,	10.42
John E. Dyer,	47.18
Nathan B. Ellis,	35.25
David Ferguson,	214.88
H. Fenters,	51.82
John Fredette,	5.56
George A. Fuller,	123.73
Joseph Garion,	98.62
Mrs. M. K. Gibbs,	44.35
Asa Gifford,	.89
Charles E. Gifford,	19.25
C. H. W. Gifford,	.93
Charles T. Gifford,	9.06
L. R. Gifford,	7.00
Dollie Goodreau,	46.30
George Govin,	37.80

William Greene,	10.52
Peter Gregoire,	144.41
Joseph H. Gurl,	5.68
F. Gurney,	3.36
George H. Hambly,	12.32
Frank Hamel,	24.30
Emery Hammond,	15.32
John E. Hammond,	33.03
James Hanford,	65.42
Patrick Harding,	173.35
Charles Haskell,	17.14
Edward Haskell,	209.22
C. E. Hathaway,	82.18
F. B. Hathaway,	1.33
Henry W. Hathaway,	96.82
John W. Hathaway,	47.99
Levi Hawes,	316.42
Sylvanus T. Hawes,	153.33
Hawthorn Farm,	23.43
F. H. Hicks,	6.20
Charles E. Howland,	291.49
O. R. Howland,	72.92
William Howard,	100.05
Joseph U. Hubbard,	1.44
John Jacintho,	26.47
Jenney & Buffington,	169.01
John Jones,	45.58
L. E. Jones,	34.70
Frank Kabosky,	39.15
Thomas D. Kays,	46.75
Robert B. King,	109.75
Henry Lagasse,	45.50
Nalarie Langlois,	151.33
Herbert Lawrence,	86.19
Russell S. Lawton,	2.36
C. Leduc,	8.59
Antone Lopes,	33.76
William H. Lynch,	78.14
Leonard Macomber,	15.13
William P. Macomber,	34.07
Annie G. Mahoney,	90.04
Dennis Mahoney,	66.57
Isaac Manchester,	2.93
John W. Manchester,	95.62
Walter Martin,	131.85

A. L. Marsh,	7.48
Frank Mastera,	105.45
Ernest Meney,	156.90
Timothy McCroin,	107.45
Joseph Methot,	162.86
Miller & Hook,	56.48
Frank Monty,	55.37
W. A. T. Moore,	8.08
Gypsey Morris,	2.66
Frank P. Morton,	194.56
Walter F. Mosher,	201.17
Henry Mossi,	75.90
R. Morse,	4.62
Benjamin Negus,	.83
Charles H. Negus,	277.17
Thomas Niles,	5.69
George P. Norton,	.94
John Norwood,	65.51
F. W. Oesting,	5.55
John K. Offley,	17.04
William Ogden,	11.48
P. O'Leary,	327.94
William S. Osgood,	118.23
J. H. Paige,	47.78
S. S. Paine & Bro.,	2,641.43
Reuben Peckham,	155.86
Joseph Peda,	50.94
Frank Pedro,	101.51
A. W. Perkins & Co.,	192.39
A. Pellerin,	13.07
Frank Perry,	44.04
Henry F. Perry,	125.85
Henry Pierce,	3.84
Pickles & Larochelle,	2.98
H. E. Pike,	10.27
Isaac B. Poole,	38.60
George Potter,	12.30
Sarah E. Potter,	31.36
Manuel Perry,	56.61
Calvin Raymond,	8.62
Barney Reagan,	24.44
Leroy M. Reams,	.49
R. W. Reams,	3.58
Eli W. Reed,	45.95
Lyman K. Reed,	5.32

R. B. Reed,	.39
Willard B. Reed,	46.87
Edward Reynolds,	95.15
G. F. Reynolds,	75.08
J. W. Robbins,	84.68
Abiatha Rogers,	848.49
George W. Rogers,	43.39
Joseph H. Rogers,	46.35
Martin Rogers,	1.60
Adolph Rondeau,	16.11
Ernest Rondeau,	75.66
Prospre Rondeau,	646.04
Arthur Roy,	156.47
John J. Ryan,	3.99
A. K. P. Sawin,	.97
George Schlais,	146.66
William I. Shockley,	41.50
A. Skiff,	2.92
George F. Smith,	144.63
John A. Smith,	1.16
Joseph Souve,	85.69
George Spencer,	267.01
Charles F. Spooner,	87.57
E. F. Spooner,	49.86
Edwin S. Spooner,	355.64
James L. Spooner,	6.50
J. A. Spooner, 2d,	24.10
J. W. Spooner,	214.00
Clement St. Armand,	6.25
Thomas St. Germain,	6.29
F. A. Stowell,	144.00
John B. Sullivan,	933.42
E. R. Swain,	33.51
Morris Sweeney,	48.11
Jesse Sylvia,	67.17
Antone D. Sylvia,	23.03
Jacinth Sylvia,	7.87
F. C. Taber,	10.34
Ralph Taber,	31.87
Antone Thomas,	56.14
L. F. Thomas,	18.75
Alexander A. Tripp,	6.58
E. B. Tripp,	31.43
Frederick Tripp,	16.09
F. A. Tripp,	129.91

L. A. Tripp,	70.06	
S. J. Tucker,	9.50	
Union Street Railway Co.,	4.05	
W. O. T. Upham,	235.95	
Emery Vichon,	5.44	
U. Vignault,	1.30	
David F. Wainer,	21.40	
Walter F. Wainer,	46.91	
Robert Walton,	3.36	
David Warren,	21.73	
James Warren,	22.00	
William N. Weaver,	84.80	
C. E. Westgate,	176.56	
H. N. Westgate,	3.30	
John Whitehead,	9.75	
Deborah A. Wilbur,	64.22	
George F. Wilbur,	88.30	
S. B. Wilbur,	8.76	
S. S. Wilbur,	44.29	
Joseph Williams,	86.61	
Benjamin Wilson,	64.80	
Samuel Wing,	199.42	
Ira Worcester,	3.98	21,490.36
Miscellaneous:		
Acushnet Saw Mill Co.,	89.56	
A. W. Allen,	2.65	
Almy & Hitch,	25.50	
E. Anthony & Sons,	155.47	
Isaac L. Ashley,	7.00	
Mary Ashley,	18.88	
Babbitt, Wood & Co.,	25.85	
Ballard & Kirschbaum,	2.00	
William B. Bennett,	10.50	
Blackbird Pen Co.,	6.50	
A. L. Blackmer,	3.00	
George L. Briggs,	1.50	
Briggs & Lawrence,	.60	
F. S. Brightman,	157.44	
J. M. Burgess,	24.00	
Church & Hammond,	5.32	
Charles W. Coggeshall,	5.38	
W. H. Collins & Co.,	28.47	
Samuel H. Cook & Co.,	100.00	
William S. Cook,	585.00	

T. S. Corson,	83.50
C. S. & B. Cummings,	.40
A. B. Drake,	121.56
David Duff & Son,	1,297.50
Dr. G. L. Duhaine,	2.00
W. T. Emery,	15.35
Engineering News,	14.40
David Ferguson,	218.05
C. H. Forbes,	32.10
Frost & Adams Co.,	15.52
E. H. Gammons,	15.00
General sewers,	130.16
W. A. Greenough,	5.00
T. M. Hart & Co.,	31.30
Hastings Pavement Co.,	1,632.00
Hatch & Co.,	6.55
George E. Hatch,	26.67
F. B. Hathaway,	90.00
Abbie H. Hoard,	65.70
Dr. G. deN. Hough,	15.00
H. S. Hutchinson & Co.,	3.00
James A. Jay,	31.00
P. P. Jenney,	108.90
P. P. Jenney & Son,	1.40
Kern & Wright,	3.00
Kirby & Hicks,	71.50
C. F. Lawton,	148.58
S. G. Mandell,	8.50
Walter Martin,	103.05
Timothy McCroin,	19.95
Mercury Publishing Co.,	42.45
Moynan & Co.,	1.50
Municipal Engraving Co.,	2.00
N. B. Boiler & Machine Co.,	6.75
N. B. Gas & Edison Light Co.,	360.88
N. B. Ice Co.,	13.00
N. B. Institution for Savings,	258.72
N. B. Street Transportation Co.,	21.00
N. Y., N. H. & Hartford Railroad Co.,	96.64
N. B. Water Works,	40.11
Odd Fellows' Building Association,	921.55
Old Colony Steamboat Co.,	.77
I. H. Peckham,	5.00
A. W. Perkins & Co.,	.25
S. F. Perry & Son,	16.50

Peirce & Bushnell Manufacturing Co.,	128.90	
A. D. Piper,	2.47	
P. S. Poole,	4.60	
George D. Richards,	29.01	
Sanders & Barrows Clothing Co.,	3.50	
Mortimer Searles,	.80	
C. R. Sherman & Son,	2.00	
So. Mass. Telephone Co.,	269.68	
Dr. James F. Sullivan,	146.00	
Job Sweet,	65.00	
E. C. Taber,	21.30	
Robert W. Taber,	86.35	
Taylor & Sawtelle,	1.90	
E. & K. C. Terry,	28.72	
Estate Thomas P. Terry,	56.90	
Frank S. Tripp,	4.32	
Henry W. Tripp,	5.00	
J. C. Warren,	75.60	
W. U. Telegraph Co.,	1.06	
Chas. F. Wing,	73.50	
Department of wharves,	263.50	
Wood, Brightman & Co.,	23.14	
Wycoff, Seamans & Benedict,	1.60	8,653.23
Curbing:		
Robertson & Harvey,	10,683.82	
Steward & McDermott,	864.19	11,548.01
		$164,834.32
To transfer to balance,		2,165.68
		$167,000.00

Cr.

By appropriation,	$112,000.00	
By special appropriation,	35,000.00	
Transfer from unappropriated funds,	20,000.00	$167,000.00

LAND DAMAGES, WIDENING COFFIN AVENUE No. 1.

Dr.

Antone Barriteau,	$37.40	
J. & D. Bonneau,	43.50	
James Brown,	144.75	
James Brown,	68.60	
Chas. L. Clapp,	171.50	
Chas. E. Cook,	401.50	
Edward Coyle,	33.50	
G. A. D'Andrade,	18.50	
Nellie A. Dehn,	67.00	
Agnes Devlin and Heirs of B. McQuade,	36.30	
Frank Enos,	270.50	
Justin Fortin,	21.44	
A. & E. Fournier,	18.50	
Kate Francis,	270.50	
Kate Francis,	36.00	
Mary C. Galligan,	66.50	
Patrick Gibbon,	18.50	
Norbert Guillette,	20.24	
Edward Guinn,	45.63	
Roger H. Harvey,	33.50	
Joseph C. Janson,	32.30	
Katherine McQuade,	40.04	
Owen McQuade,	23.80	
Owen McQuade,	21.34	
Wm. Maxfield,	82.50	
Janus Moorehouse,	318.80	
Francisca Perreira,	25.50	
Abner Pope,	74.50	
Francis H. Portras,	246.50	
Roland G. Pray,	405.75	
James Smith,	27.20	
James Stopford,	16.28	
Felix St. Germain,	111.00	
Joseph P. Sylvia,	218.10	
Charles C. Tilton,	29.25	
Thomas Tripp,	111.80	
E. & H. Walhgreen,	18.50	
David Warren,	16.17	
Minnie Warren,	10.88	$3,654.07

Cr.

By special appropriation,	$3,654.07

LAND DAMAGES, WIDENING COFFIN AVENUE No 2.

DR.

Thomas Tripp,	$159.00

CR.

By special appropriation,	$159.00

LAND DAMAGES, WIDENING COVE STREET No. 1.

DR.

Roland R. Ashley,	$404.50	
Thomas and Ruth Eastwood,	407.00	
Hathaway Manufacturing Co.,	1,135.00	
William B. Macomber,	122.50	
John F. McGuire,	79.00	
Otis A. Sisson,	291.00	$2,439.00

CR.

By special appropriation,	$2,439.00

LAND DAMAGES, WIDENING COVE STREET No. 2.

DR.

T. Franklin Gay,	$538.00	
Hetty Greene,	1,054.00	
Poisson Bros.,	1,156.00	$2,748.00

CR.

By special appropriation,	$2,748.00

LAND DAMAGES, WIDENING FOURTH STREET.

Dr.

Highways and streets,	$137.27	
To transfer to balance,	3,204.89	$3,342.16

Cr.

January 4, 1897. By balance,	$3,342.16

LAND DAMAGES, LAYOUT OF HEMLOCK ST. FRUIT ST. TO ROCKLAND ST.

Dr.

William H. Eldridge,	$912.00	
William Howarth,	23.04	$935.04

Cr.

By special appropriation,	$935.04

LAND DAMAGES, LAYOUT OF HEMLOCK ST. ROCKLAND ST. TO FAIR ST.

Dr.

Heirs of Sylvia Ann Howland,	$432.00

Cr.

By special appropriation,	$432.00

LAND DAMAGES, LAYOUT OF HILLMAN ST., BETWEEN HUNTER ST. AND ROCKDALE AVENUE.

DR.

Mary E. Jackson,	$125.00	
E. F. Spooner,	10.00	$135.00

CR.

By special appropriation,	$135.00

LAND DAMAGES, LAYOUT OF NASH ROAD, MT. PLEASANT ST. TO SHAWMUT AVE.

DR.

William R. West and R. Beetle,	$275.00

CR.

By special appropriation,	$275.00

LAND DAMAGES, WIDENING PURCHASE ST., No. 1.

DR.

Highways and streets,	$59.63	
To transfer to balance,	2,963.94	$3,023.57

CR.

January 4, 1897. By balance,	$3,023.57

LAND DAMAGES, WIDENING PURCHASE ST., No. 2.

Dr.

Pay Rolls:	$295.71	
General sewers,	94.49	
Highways and sewers,	315.09	
C. O. Brightman,	5.00	
Nath'l. Hathaway and Mrs. William N. Swift,	8,500.00	
Trustees First Christian Church,	6,030.00	$15,240.29
To transfer to balance,		1,289.71
		$16,530.00

Cr.

By special appropriation,	$16,530.00

LAND DAMAGES, LAYOUT OF ORCHARD STREET.

Dr.

Heirs of Henry Eames,	$200.00

Cr.

By special appropriation,	$200.00

LAND DAMAGES, LAYOUT OF UNION STREET.

Dr.

Highways and streets,	$146.85	
Dr. Arthur Ricketson,	545.00	$691.85
To transfer to balance,		1,728.01
		$2,419.86

Cr.

January 4, 1897. By balance,	$2,419.86

INCIDENTALS.

Dr.

Advertising:		
E. Anthony & Sons,	$374.68	
Boston Daily Advertiser,	100.00	
Catholic Union Publishing Co.,	162. 50	
L'Echo du Soir Publishing Co.,	43.50	
Mercury Publishing Co.,	275.33	$956.01
Birth and death returns:		
D. S. Belanger, M. D.,	2.00	
Robert G. Bennett,	16.00	
M. J. Brown,	1.25	
William E. Brownell, M. D.,	2.75	
J. S. Chagnon, M. D.,	15.25	
L. A. Chubbuck, M. D.,	2.50	
Martha Cook,	5.00	
Mary Cooper,	4.75	
Edward W. Dehn, M. D.,	15.50	
A. Desauteles,	16.00	
J. F. Drummond, M. D.,	3.25	
G. L. Duhaine, M. D.,	1.25	
Louisa A. Ellis,	1.25	
Mary Flitcroft,	2.00	
Catherine Foley,	.25	
Mary Frates,	7.25	
Emilie Guba,	3.75	
Ann Haworth,	2.75	
Sarah Hope,	7.00	
C. R. Hunt, M. D.,	6.50	
Esther M. Jameson,	.75	
J. B. Jean,	39.75	
Maria Jenkinson,	.25	
W. D. Jernegan, M. D.,	.25	
Mrs. J. A. Kidd,	1.00	
A. P. Lagasse,	23.50	
D. B. Leonard,	351.00	
M. B. Leonard, M. D.,	33.75	
Geo. F. Lewis, M. D.,	5.25	
C. F. Lussier, M. D.,	37.75	
Margaret Mann,	4.00	
C. W. Milliken, M. D.,	3.75	
Moriarty Bros.,	12.75	

T. J. Murphy,	12.75	
A. Normandin, M. D.,	4.75	
L. Z. Normandin, M. D.,	92.25	
C. A. B. Peterson, M. D.,	4.50	
A. M. Peirce, M. D.,	13.50	
Wm. G. Potter, M. D.,	2.50	
C. A. Pratt, M. D.,	9.00	
A. E. Richard, M. D.,	20.00	
John Rogers,	15.56	
J. C. Shaw, M. D.,	5.50	
J. D. Sullivan,	38.25	
James F. Sullivan, M. D.,	6.00	
J. P. St. German, M. D.,	8.75	
J. V. Thuot, M. D.,	19.24	
Abbie A. Tripp,	1.00	
W. C. Vaughan, Jr.,	54.50	
A. P. Webber, M. D.,	16.50	
J. F. Weeks, M. D.,	3.50	
Helen W. Webster, M. D.,	11.25	
Joseph S. Williams,	42.50	
E. T. Wilson,	76.50	1,088.24
Clerical Help:		
Edward T. Bannon,	15.00	
Clifford Baylies,	54.00	
W. L. Hathaway,	864.00	
C. R. Hathaway,	54.00	
H. R. Luther,	4.00	
F. A. Murphy,	720.00	
W. H. B. Remington,	5.00	
F. T. Ricketson,	264.00	
Ruth S. Sherman,	768.00	
A. C. Spooner,	675.00	
E. L. Tillinghast,	540.00	
F. T. Weeden,	280.00	4,243.00
Damages and Legal Expenses:		
T. F. Desmond,	700.00	
Adeline Dunham,	125.00	
Knowlton & Perry,	100.00	
J. W. Nickerson,	9.50	
Eliot D. Stetson,	19.73	
T. M. Stetson,	50.00	
Robert A. Terry,	50.00	1,054.23
Special Elections:		
Precinct Officers:	192.00	

Catholic Union Publishing Co.,	29.25	
E. Anthony & Sons,	73.46	
Faunce & Johnson,	5.74	
Isaac M. Jones,	2.00	
Daniel B. Leonard,	20.00	
L'Echo du Soir Pub. Co.,	10.75	
Mercury Pub. Co.,	71.73	
Patrick Petteson,	4.60	
David Warren,	3.00	412.53
Janitors:		
D. J. McAuliffe,	75.00	
David M. Piper,	624.00	
P. H. Dollard,	645.00	1,344.00
Labor and cleaning:		
P. H. Dollard,	1.50	
C. B. Piper,	91.00	
D. M. Piper,	15.50	
J. Arthur Piper,	5.00	
Wm. Souza,	1.00	114.00
Lights and fuel:		
Merton B. Ashley,	40.00	
T. S. Corson,	400.08	
Denison Bros. Co.,	302.97	
N. B. Gas & Edison Light Co.,	1,901.53	
H. S. Hutchinson & Co.,	.50	
A. W. Holmes,	1.00	2,646.08
Memorial Day:		
Braddock Andress,	3.75	
E. Anthony & Sons,	49.99	
Apollo Quartette,	20.00	
Lugis Bennett,	4.00	
Bliss & Nye,	.25	
Boston Regalia Co.,	41.34	
A. R. Caswell,	20.00	
A. Millie Crossman,	1.50	
Edward G. Davis,	2.00	
John W. Footman,	1.45	
George H. Freeman,	.79	
E. C. Gardiner,	44.00	
T. J. Gifford & Co.,	28.75	
John A. Gomley,	10.00	
Gray & Sullivan,	50.00	
A. B. Hathaway,	1.15	

Monroe R. Lane,	2.00	
John Lumbert,	1.50	
J. R. McAfee,	2.50	
Mercury Pub. Co.,	12.50	
E. G. Morton,	1.00	
N. B. Band,	123.50	
N. B. Foundry & Machine Co.,	6.72	
N. B. Ice Co.,	10.00	
Oak Hall Clothing Co.,	19.12	
E. M. Peirce,	3.00	
J. Henry Peirce,	20.00	
Joseph F. Perry,	15.00	
Alexander O. Peirce,	40.19	
David J. Peirce,	3.00	
George R. Reed,	1.50	
Reiter's National Band,	40.00	
Wm. D. Richards,	3.00	
Soule Decorating Co.,	25.00	
J. V. Spare,	1.20	
R. H. Spicer,	16.00	
Union Nat. Band,	60.00	
Union St. Railway,	35.00	
Western Union Tel., Co.,	.56	
J. Whitehead,	28.00	749.26
Fourth of July:		
E. Anthony & Sons,	4.00	
J. L. Ballou,	11.85	
H. N. Borden,	3.00	
John R. Brock,	3.00	
Othello S. Driskell,	3.00	
Joseph Gladu,	3.00	
Gray & Sullivan,	152.00	
W. W. Guthrie,	3.00	
A. R. Maxfield,	3.00	
Mercury Pub. Co.,	5.32	
E. S. Robenault,	3.00	
Union National Band,	120.00	
Union Veteran Legion,	90.00	
James H. Warfield,	3.00	
John Watson,	3.00	410.17
Semi-Centennial Celebration:		
Chas. S. Ashley,	399.18	
Jason L. Ballou,	37.55	
Lawrence Decorating Co.,	375.00	
Police department,	139.60	951.33

Miscellaneous:

W. J. Abrams, services on tax bills,	57.00
F. T. Akin & Co., cement and chamois,	1.58
Asa L. H. Allen, frames,	8.50
G. F. Allen, services on tax bills,	24.50
G. H. Allen, services on tax bills,	66.50
Almy & Hitch, making and fitting awnings,	50.00
E. Anthony & Sons, "Evening Standard,"	46.35
Chas. S. Ashley, office expenses and entertaining visitors,	720.87
Isaac L. Ashley, carriage hire,	72.75
Wm. A. Baker, conveying truants,	11.82
Ballard & Kirchbaum, telephone index,	4.00
J. V. Bancroft, watering streets,	64.00
W. F. Bannon, services on tax bills,	16.50
Banker & Tradesman,	5.00
Bates Mf'g. Co., repairing stamps,	2.90
Bates, Kirby & Co.,	150.00
F. S. Blanchard & Co., subscriptions to year book,	6.00
Blossom Bros., fitting windows,	134.72
Board of Assessors, superintending tax bills,	75.00
Francis A. Booth, services,	20.00
Boston Daily Advertiser,	6.00
Zenas M. Briggs, postal guide,	4.50
Briggs & Lawrence, furniture and repairing,	364.91
F. S. Brightman, newspapers,	12.00
Bristol County, board of truants,	1,345.69
H. J. Brownell, services on tax bills,	30.00
W. H. Burbank, ribbons,	6.00
Emma D. Caswell, copying report,	1.50
Wm. H. Caswell, painting and repairing,	115.96
Chadwick & Co., soap and matches,	4.60
C. C. Chamberlain, steel boxes,	61.50
A. B. Chappell, services on tax bills,	35.00
Church & Hammond, soap and sponges,	6.16
City Auditor, office expenses,	95.23
City Clerk, office expenses,	187.80
City Treasurer, office expenses,	1,034.95
City Treasurer, care of cemetery lots,	1,322.24
Coffin Bros., boxes,	4.00
W. H. Collins & Co., covers,	3.00
Chas. R. Cornell, carriage hire,	5.00
Chas. H. Cragen, use of boat,	26.00
Wm. Cronin & Co., hand bag,	2.25
C. S. & B. Cummings, soap and matches,	17.97

C. F. Cushing, money bag,	6.25
Davis & Waite, flowers,	10.00
G. R. Deane, services on tax bills,	24.00
Thos. F. Desmond, mileage book,	20.00
DeWolf & Vincent, hardware,	9.65
F. M. Douglass, soap,	9.05
C. L. Dunham, expense of committee,	6.00
C. L. Dunham, repairs,	6.50
E. M. Durfee, blacksmithing,	8.32
Wm. H. Emery, services,	30.75
W. T. Emery, mantles, shades and chimneys,	9.55
J. H. Finnell, services on tax bills,	30.00
C. H. Fuller, delivering summons,	15.00
Neil Gallagher, services on tax bills,	22.50
E. C. Gardiner, carriage hire,	29.00
H. B. Gardner, services on summons,	13.75
Susan R. Gardner, stenographer,	124.45
Gately & Gorman, reference book,	6.00
P. B. Gifford, use of boat,	16.00
Susie B. Gifford, stenographer,	10.00
W. A. Greenough & Co., directories,	32.50
N. H. Harris & Co , commission,	18.67
Edward S. Haskell, use of plants,	5.00
Haskell & Tripp, towels,	2.58
B. F. Hathaway Jr., services on tax bill,	46.00
W. L. Hathaway, office expenses,	5.72
Hatch & Co., express,	14.25
Geo. E. Hatch, lavatories,	233.12
N. P. Hayes, fitting lawn mower,	1.25
Highways and streets, trimming trees,	463.97
L. W. Howland, coin boxes,	2.75
J. S. F. Huddlestone, anemometer,	47.50
S. C. Hunt, expense of committees,	89.85
H. S. Hutchinson & Co., frames,	43.50
India Alkali Works, soap,	6.70
Investor Pub. Co.,	2.40
P. P. Jenney, repairing lawn mower,	3.14
J. J. Jones, stamps and pads,	34.25
William L. Kelley, repairing clocks,	5.50
David Kempton Est., rent,	75.00
Mrs. E. V. Kendall, typewriting,	.80
Kirby & Hicks, carriage hire,	205.50
J. E. Landers, services on tax bills,	30.00
Geo. F. Lasher, postal guide,	2.50
C. F. Lawton, city forester,	91.67

Daniel B. Leonard, expense of copying town records,	125.10
Library Bureau, catches and cards,	143.06
Little, Brown & Co., law books,	2.50
H. M. Maine, beating carpets,	2.72
S. G. Mandell, repairing batteries,	1.75
Geo. F. Maxfield, boxes,	4.00
Merchants National Bank, rent,	263.04
Mercury Pub. Co., inserts,	4.64
Mercury Pub. Co., "Morning Mercury,"	24.00
F. A. Mickell, services on tax bills,	20.00
Morgan, Crossman & Co., stamps,	7.50
Wm. Morrison, services on tax bills,	9.00
National Bank of the Commonwealth, commission,	15.00
N. B. Foundry & Machine Co., counter,	141.94
N. B. Gas & Edison Light Co., chandelier, and repairs on fixtures,	242.23
N. B. Ice Co.,	47.87
N. Y. N. H. & Hartford Railroad Co., rent,	100.00
North Congregational Church, use of bell,	60.00
James H. Nuttall, cushion and soap,	6.60
John N. O'Brien, office expenses,	4.70
Odd Fellows Building Association, rent,	140.00
Edward O'Keefe, office expenses,	26.60
Wm. H. O'Neil, services on tax bills,	20.00
George W. Parker, services on tax bills,	6.00
Warren W. Parker, galvanized iron boxes,	26.50
Charles L. Peck, batteries,	3.40
Wm. Peirce, care of cemetery lots,	15.87
E. F. Penney, ash cans,	28.00
S. F. Perry & Son, carriage hire,	15.00
Henry T. Phillips, superintending delivery of coal,	15.00
E. H. Pierce, sulpho napthol,	3.00
A. D. Piper, care of Mayor's office,	58.25
C. B. Piper, services on summons and tax bills,	71.50
D. M. Piper, messenger to Common Council,	41.25
Postal Telegraph Cable Co., telegram,	.82
Real Estate Tax Account, return of tax Walker, Waite & Co.,	66.79
Edmond A. Reed, services on tax bills,	20.00
Geo. D. Richards, brushes, mops, brooms, dusters, and toilet paper,	67.95
Geo. H. Richter & Co., cabinet,	16.00
Daniel Ricketson, interest on award,	28.43

H. C. Russell, services on tax bills,	61.50
Phillip C. Russell, expense of committee,	2.56
Sampson, Murdock & Co., directories,	10.50
Mortimer Searles, stamps and pads,	39.56
Susie R. Serpa, return of liquor license,	879.32
C. R. Sherman, & Son, keys, and repairing locks,	6.30
E. B. Sherman, lunches,	8.00
E. T. Sherman, carriage hire,	11.50
E. T. Sherman, services on tax bills and summons,	72.50
F. R. Slocum, furniture and repairs,	1,110.23
Smith Premier Type Writer Co.,	100.00
Henry Smith, conveying truants,	11.38
So. Mass. Telephone Co., rents and tolls,	921.01
F. L. Sowle & Co., hardware,	3.98
A. C. Spooner, services on tax bills,	20.00
L. W. Steadman, services on summons and tax bills,	77.00
A. G. Studley, services on tax bills,	37.50
E. B. Swift, services on tax bills,	95.00
T. S. Swift, carriage hire,	18.00
A. A. Sylvia, carriage hire,	31.00
M. V. Sylvia, expense of committee,	31.70
M. V. Sylvia, compensation as acting mayor,	500.00
D. J. Sullivan, clock,	20.00
B. I. Stowell, return of sewer tax,	10.00
J. V. Spare, towels,	2.05
E. C. Taber, services on tax bills,	15.00
Robert W. Taber, repair and exchange of type writers,	130.00
Taylor & Sawtelle, dusters and brushes,	29.36
E. L. Tillinghast, services on summons,	50.00
Wm. B. Topham, services on summons,	27.00
C. A. Tuell, services on tax bills,	30.00
C. D. Tuell, expenses,	3.75
Union St. Railway Co., car tickets,	55.00
H. C. Vaughan, services on tax bills,	5.00
Wamsutta Stable, carriage hire,	1.00
L. R. Washburn, screens,	12.37
W. U. Telegraph Co., sounder service,	38.50
W. U. Telegraph Co., telegrams,	2.65
E. B. Whiting & Co., towels,	1.50
Wilcox & Richmond's Wharf, rent,	200.00
W. F. Williams, expense of committee,	9.35
Chas. F. Wing, repairing furniture,	9.25

F. H. Winship, lunches,	27.90	
Geo. F. Winslow, services on summons,	30.00	
Wood, Brightman & Co., door treads,	14.10	
C. E. Woodwooth, repairing clock,	1.25	
Yale & Towne Manf'g Co., cleaning safe clock,	15.00	14,785.72
		$28,754.57
To transfer to balance,		31,828.33
		$60,582.90

Cr.

By appropriation,	$57,137.00	
Transfer from unappropriated funds,	1,750.00	
Cash receipts, as per Treasurer's report,	1,695.90	$60,582.90

SEMI-CENTENNIAL CELEBRATION OF THE INCORPORATION OF THE CITY OF NEW BEDFORD.

Dr.

F. T. Akin & Co.,	$6.40
Almy & Hatch,	2.40
Almy & Milne,	12.60
D. W. Andrews,	3.00
E. Anthony & Sons,	348.55
Isaac L. Ashley,	97.00
Herbert N. Atwood,	1.92
Avery & Doten,	3.00
C. W. Bartlett,	17.03
Chas. D. Beetle,	5.00
H. C. Bolles,	.75
Boston Regalia Co.,	15.00
Bates, Kirby & Co.,	4.00
Martin Bowman,	40.00
Geo. E. Briggs,	221.04
Briggs & Lawrence,	16.10
F. S. Brightman,	4.50
R. G. Brightman,	4.25
Brockton Times,	9.80
Albion T. Brownell,	436.90
S. A. Brownell,	18.10
W. J. Bullock,	5.00
Charles S. Burgess,	5.00
Harry W. Butler,	51.40
Ralph T. Callowhill,	16.80
Carter's Middleboro Band,	125.00
Catholic Union Pub. Co.,	11.00
Warren E. Chase,	12.00
Chadwick & Co.,	1.50
City Advertising Co.,	4.00
A. E. Coffin,	7.50
Collins First Reg't. Band and Orchestra,	104.00
Considine Bros.,	16.40
Robert Cooke,	3.00
M. M. Copeland,	5.00
Chas. R. Cornell,	32.00
Peter Crapo,	11.50
C. S. & B. Cummings,	10.72
Dartmouth & Westport St. Railway Co.,	65.00

Z. B. Davis,	248.29
Dawson & Brownell,	2.00
J. B. Demoranville,	40.00
Denison, Plummer Co.,	12.43
John Donnelly & Sons,	12.00
F. M. Douglass,	5.00
P. O. Driscoll,	8.70
Draper-Hall Stable Co.,	63.30
David Duff & Son,	44.75
C. L. Dunham,	4.16
Walter S. Dwyer,	4.20
Enterprise Pub. Co.,	8.00
Fall River Daily Globe,	15.00
Fall River Herald Pub. Co.,	10.00
A. W. Forbes,	15.00
Fournier, Nicholson & Co.,	3.14
John S. Francis,	24.00
C. A. Galligan,	11.35
E. C. Gardiner,	15.00
Geo. N. Gardiner,	77.35
T. J. Gifford & Co.,	36.80
Frank Gillman,	15.00
Globe Newspaper Co.,	35.00
James H. Gorham,	4.00
Alton P. Goss,	10.00
F. B. & T. B. Goss,	13.50
Gray & Sullivans Orchestra,	342.00
C. A. Gray & Co.,	2.00
Greene & Wood,	96.28
W. C. Grimshaw,	450.00
Grow & Hart,	6.50
F. Hagenfeldt,	3.00
Edward M. Hart,	6.75
T. M. Hart & Co.,	1.70
Haskell & Tripp,	3.60
Hill's N. B. Band,	322.00
G. W. Hillman,	57.50
H. B. Howland,	109.25
H. S. Hutchinson & Co.,	43.09
Inquirer & Mirror,	2.50
P. P. Jenney,	12.38
Kirby & Hicks,	160.00
Monroe R. Lane,	3.00
Chas. E. Lawrence,	6.30
Frank Lawrence,	10.00

L. A. Littlefield,	7.10
S. C. Lowe,	19.64
Clarence Lowell,	16.45
H. E. Manchester,	8.00
Mansion House,	40.50
Chas. H. Marchant & Co.,	4.00
Mercury Pub. Co.,	206.38
James Moore,	25.00
John N. Morris,	105.00
Moynan & Co.,	2.40
C. H. Murphy,	10.00
Nantucket Journal,	2.50
N. B. Foundry & Machine Co.,	564.50
N. B. Gas & Edison Light Co.,	376.74
N. B. Veteran Firemen's Assoc.,	200.00
Geo. H. Nye,	.55
N. B. Printing Co.,	1.75
N. Y. N. H. & Hartford Railroad Co.,	658.40
Odd Fellow's Building Assoc.,	10.00
Pairpoint Manf'g. Co.,	39.41
Fred W. Palmer,	10.00
L. F. Pease & Co.,	178.90
Z. W. Pease,	204.30
Chas. E. Peirce,	36.51
Edw'd. M. Peirce,	299.45
J. Henry Peirce,	8.00
S. F. Perry & Son,	94.00
Poisson Bros.,	.95
Pope's Island Corp.,	18.75
Postal Telegraph Cable Co.,	2.17
Providence Journal Co.,	14.00
Provincetown Advocate,	5.00
C. G. & G. A. Randall,	51.76
Register Pub. Co.,	10.00
Reiters Nat'l Band,	322.00
W. H. B. Remington,	50.00
Edward E. Rewick,	4.25
Geo. B. Richmond,	1.00
Thomas Rickaby,	7.00
A. S. Rounsville,	7.50
Sanders & Barrows Clothing Co.,	11.00
Sandwich Military Band,	102.00
Second Div. Naval Battalion,	42.50
James Slater,	100.00
F. R. Slocum,	78.50

A. P. Smith,	10.00	
Smith Bros.,	10.00	
H. K. Snow,	75.00	
So. Mass. Telephone Co.,	15.33	
Springfield Envelope Co.,	29.75	
Geo. T. Squires,	30.00	
St. Mary's Brass Band,	50.00	
Chas. Strahan,	2.50	
M. J. Sullivan,	21.00	
J. A. Sweet,	21.00	
M. C. Swift & Son,	13.50	
A. A. Sylvia,	5.00	
Taunton Bill Posting Co.,	5.00	
Taunton & Brockton St. Railway Co.,	20.00	
Taunton Daily Gazette,	10.25	
J. Arthur Taylor,	2.00	
Trades Procession and Horse Parade,	297.00	
Edward F. Tripp,	24.00	
Union St. Railway Co.,	900.00	
Wamsutta Stables,	10.00	
David Warren,	4.50	
F. W. Wentworth & Co.,	5.00	
Wm. R. West,	32.00	
S. A. Wilbur,	55.05	
Albert F. Wilde,	1.80	
Chas. H. Wing,	11.00	
Chas. H. Wood,	206.80	
Wood & Tinkham,	5.00	
Dr. A. F. Wyman,	16.20	
Edward J. Zeiner,	4.00	$9,980.52
December 6, 1897. To balance,		31.73
		$10,012.25

Cr.

By special appropriation,	$8,000.00	
Cash receipts, as per Treasurer's report,	2,012.25	$10,012.25

Cr.

December 6, 1897. By balance,	$31.73

TEXTILE SCHOOL.

Cr.

By special appropriation,	$25,000.00

LICENSE COMMISSION.

Dr.

Alfred Thornton, Chairman:		
E. Anthony & Sons,	$4.00	
Mercury Pub. Co.,	26.81	
E. L. Tillinghast,	17.86	$48.67
Chas. T. Luce, Chairman:		
E. Anthony & Sons,	41.31	
W. H. Collins & Co.,	4.00	
Kirby & Hicks,	17.90	
Mercury Publishing Co.,	75.61	
N. B. Gas & Edison Light Co.,	.90	
N. B. Printing Co.,	37.50	
Geo. D. Richards,	1.93	
H. A. Rosa,	.80	
Robert W. Taber,	19.81	
E. L. Tillinghast,	85.64	285.40
John J. Howland, Chairman:		
E. Anthony & Sons,	117.91	
Briggs & Lawrence,	18.45	
Catholic Union Pub. Co.,	21.75	
John J. Howland,	84.40	
Kirby & Hicks,	12.00	
Ida B. Maxfield,	276.00	
Mercury Pub. Co.,	46.64	
S. F. Perry & Son,	46.50	623.65
		$957.72

Cr.

By appropriation,	$637.00	
Transfer from unappropriated funds,	200.00	
To transfer to balance,	120.72	$957.72

LIGHTING THE STREETS.

Dr.

Globe Gas Lighting Co.,		$11,650.42
N. B. Gas & Edison Light Co.:		
Arc lights,	$20,668.07	
Gas Lights,	9,850.11	
Incandescent lights,	1,317.39	31,835.57
Sundries:		
Acushnet Iron Co.,	424.00	
Fournier & Nicholson,	26.20	
E. C. Gardiner,	6.00	
Globe Gas Light Co.,	11.80	
F. A. Kempton Est.,	25.00	
John McCue,	5.50	
N. B. Gas & Edison Light Co.,	365.65	864.15
		$44,350.14

Cr.

By appropriation,	$40,000.00	
Transfer from unappropriated funds,	4,250.00	
Transfer to balance,	100.14	$44,350.14

COGGESHALL STREET BRIDGE.

Dr.

Pay-rolls.		$41.89
P. Black,	$1.20	
DeWolf & Vincent,	.30	
Greene & Wood,	43.73	
Highways and streets,	98.30	
E. & K. C. Terry,	2.69	146.22
		$188.11
To transfer to balance,		211.89
		$400.00

Cr.

By appropriation,	$400.00

NEW BEDFORD AND FAIRHAVEN BRIDGE.

Dr.

Pay-rolls,		$1,363.60
E. Anthony & Sons,	$14.04	
Catholic Union Pub. Co.,	4.00	
Abram Chace & Co.,	1,048.84	
James D. Driggs,	23.47	
David Duff & Son,	8.10	
Highways and streets,	991.73	
Mercury Pub. Co.,	12.75	2,102.93
		$3,466.53
To transfer to balance,		533.47
		$4,000.00

Cr.

By appropriation,	$4,000.00

NEW BEDFORD SCHOOL COMMITTEE.
"HOWLAND FUND."

DR.

James T. Almy,	$12.50
American Book Co.,	432.51
D. Appleton & Co.,	7.79
E. Boden, Jr.,	10.00
Boston School Supply Co.,	95.27
Briggs & Lawrence,	2.10
P. P. Caproni & Co.,	10.00
T. H. Castor & Co.,	6.88
W. B. Clarke & Co.,	10.40
W. H. Collins & Co.,	63.12
Dennison Manuf'g Co.,	14.86
Oliver, Ditson & Co.,	3.00
M. E. Donovan,	11.90
E. M. Drury,	6.20
Educational Pub. Co.,	43.74
Ginn & Co.,	628.68
J. L. Hammett Co.,	185.54
Harper & Bros.,	10.20
Haskell & Tripp,	9.23
John C. Haynes & Co.,	7.20
D. C. Heath & Co.,	69.21
Hillman, Washburn & Co.,	1.50
Holden Patent Book Cover Co.,	156.43
H. E. Hooper,	66.60
Romeyn B. Hough,	35.00
Houghton, Mifflin & Co.,	168.30
H. S. Hutchinson & Co.,	126.03
Winthrop B. Jones,	25.00
Leach, Shewell & Sanborn,	18.41
Lee & Shepard,	70.25
The Macmillan Co.,	14.22
Perry Mason & Co.,	10.50
The Morse Co.,	32.40
Munson Phonographic Pub. Co.,	2.37
George Peirce,	399.00
E. M. Perry,	12.56
Geo. S. Perry & Co.,	150.72
Prang Educational Co.,	16.31
G. P. Putnam's Sons,	3.75
Geo. D. Richards,	10.47

E. S. Ritchie & Sons,	2.75	
Chas. Scribners Sons,	22.21	
Silver, Burdette & Co.,	108.58	
Robert W. Taber,	52.08	
Taber, Prang Art Co.,	.60	
A. T. Thompson & Co.,	50.00	
Thompson, Brown & Co.,	3.00	
University Pub. Co.,	20.00	
Werner School Book Co.,	38.99	
Youths Companion,	1.56	$3,259.92
Dec. 6, 1897. To balance,		406.04
		$3,665.96

Cr.

January 4, 1897. By balance,	$2,165.96	
Cash receipts as per Treasurer's report,	1,500.00	$3,665.96

Cr.

Dec. 6, 1897. By balance,	$406.04

NEW BEDFORD SCHOOL COMMITTEE. "JONATHAN BOURNE PRIZE FUND."

Dr.

Wm. E. Hatch,	$60.00

Cr.

January 4, 1897. By balance,	$30.00	
Cash receipts, as per Treasurer's report,	30.00	$60.00

NEW BEDFORD WATER WORKS.

Dr.

To expenditures as per drafts of the New Bedford Water Board,	$109,892.27	
December 6, 1897. To balance,	39,512.84	$149,405.11

Cr.

January 4, 1897. By balance,	$28,750.79	
By appropriation,	12,000.00	
Cash receipts, as per Treasurer's report,	108,654.32	$149,405.11

Cr.

December 6, 1897. By balance,	$39,512.84

NEW BEDFORD WATER WORKS. FURTHER WATER SUPPLY.

Dr.

To expenditures as per drafts of the New Bedford Water Board,	$253,973.25	
December 6, 1897. To balance,	323,666.42	$577,639.67

Cr.

January 4, 1897. By balance,	$555,375.33	
Cash receipts, as per Treasurer's report,	22,264 34	$577,639.67

Cr.

December 6, 1897. By balance,	$323,666.42

PARK COMMISSION.

DR.

Pay Rolls:		$8,882.92
Supplies, etc.		
Acushnet Saw Mill Co.,	1.20	
F. T. Akin & Co.,	.80	
A. W. Allen,	.25	
Ames Plow Co.,	45.00	
E. Anthony & Sons,	12.53	
P. Black,	24.95	
Bliss & Nye,	7.00	
Blossom Bros.,	45.06	
F. S. Brightman,	8.00	
C. O. Brightman,	489.99	
Wm. S. Brown,	131.09	
C. H. Brownell & Sons,	386.95	
W. A. Burbee & Co.,	4.70	
Chas. D. Clough,	7.00	
T. S. Corson,	31.78	
Denison Bros. Co.,	37.52	
DeWolf & Vincent,	232.53	
David Duff & Son,	10.13	
General sewers,	39.86	
Samuel Gratto,	5.50	
Greene & Wood,	118.94	
T. M. Hart & Co.,	54.45	
Hatch & Co.,	1.50	
George E. Hatch,	42.83	
A. B. Hathaway,	110.09	
N. P. Hayes,	4.49	
Highways and streets,	1,749.46	
Hillman, Washburn & Co.,	91.20	
P. P. Jenney,	26.74	
P. P. Jenney & Son,	1.75	
Geo. Kirby, Jr. & Co.,	25.75	
C. F. Lawton,	30.00	
S. C. Lowe,	8.70	
Chas. F. Manchester,	19.94	
Frank B. Manchester,	8.90	
Mercury Pub. Co.,	2.75	
J. L. Mott Iron Works,	160.00	
Chas. C. Munroe,	4.50	

N. B. Cordage Co.,	17.20	
N. B. Gas & Edison Light Co.,	257.36	
Richard Nofftz,	2.50	
Geo. H. Nye,	3.00	
Wm. Peirce,	135.00	
A. W. Perkins & Co.,	5.40	
E. H. Pierce,	9.00	
C. G. & G. A. Randall,	164.58	
H. B. Remington,	121.35	
John Rennet,	10.00	
Geo. D. Richards,	6.05	
Abiatha Rogers,	13.60	
I. C. Sherman & Son,	13.75	
Frank B. Sistare,	516.40	
Nat C. Smith,	30.00	
F. L. Sowle & Co.,	3.45	
Suffolk Engraving Co.,	8.20	
M. C. Swift & Son,	24.00	
E. C. Taber,	193.07	
E. & K. C. Terry,	178.57	
Wm. R. West,	92.21	
C. E. Westgate,	65.62	
Henry P. Willis,	7.50	
Wilson & Wordell,	19.00	
Wood, Brightman & Co.,	41.33	
R. H. Woodhouse,	30.00	5,951.97
		$14,834.89
To transfer to balance,		1,239.36
		$16,074.25

Cr.

By appropriation,	$16,000.00	
Cash receipts, as per Treasurer's report,	74.25	$16,074.25

PINGREE SYSTEM FOR THE BENEFIT OF THE POOR AND UNEMPLOYED.

Dr.

W. F. Chase,	$550.00	
Geo. A. Cobb,	4.50	
John Connell,	3.50	
E. C. Gardiner,	5.50	
John Notter,	77.96	
S. S. Paine & Bro.,	17.50	
F. H. Pasell,	1.62	
A. W. Perkins & Co.,	42.75	
Wilson & Wordell,	48.50	$751.83
To transfer to balance,		46.52
		$798.35

Cr.

December 6, 1897. By balance,	$798.35

POLICE DEPARTMENT.

Dr.

Salaries:

George Douglass, chief.	$173.05
Henry W. Mason, chief,	1,384.68
Timothy C. Allen, captain,	1,153.88
James L. Wilber, captain,	1,153.88
Lemuel D. Adams, lieutenant,	1,061.56
Seth E. Bryant, lieutenant,	1,061.56
Thomas W. Comstock, lieutenant,	1,061.56
Thomas Fay, lieutenant,	1,061.56
Arthur H. Jones, lieutenant,	1,061.56
Charles L. McBay, lieutenant,	1,061.56
John C. Parker, lieutenant,	486.42
Thomas J. Taft, lieutenant,	1,061.56
Joseph B. Wing, lieutenant,	1,091.56

Edmond Foley, sergeant,	439.95	
Charles C. Gifford, sergeant,	439.95	
William E. Roscoe, sergeant,	439.95	
Willis C. Underwood, sergeant,	439.95	
Franklin L. Hathaway, inspector,	1,061.56	
John C. Parker, inspector,	575.14	
George E. Gendron, inspector,	470.61	
H. N. West, clerk,	715.00	$17,426.50
Pay Rolls:		
Patrolmen, housekeepers, &c.,	76,034,13	
Special police,	4,351.20	80,385.33
Supplies:		
DeWolf & Vincent,	5.90	
Driscol, Church & Hall,	2.75	
D. B. Folger,	57.72	
Moore & Dick,	5.80	
Norfolk Manuf'g Co.,	13.75	
Geo. D. Richards,	78.33	
J. V. Spare,	5.87	170.12
Police signal service,		
Charles E. Allen,	21.20	
Ame & Co.,	30.00	
Dr. D. C. Ashley,	6.50	
Wm. Baylies,	122.40	
J. A. & W. Bird & Co.,	49.94	
Brownell, Ashley & Co.,	236.63	
Joseph E. Cloutier,	2.45	
Wm. Cronin & Co.,	4.00	
C. F. Cushing,	33.90	
Denison, Plummer Co.,	46.06	
Edes Manf'g Co.,	32.00	
Fichtenmeyer & Flynn,	59.30	
J. Frank Kirk,	130.92	
S. C. Lowe,	7.50	
Clarence Lowell,	1.30	
N. E. Gamewell Co.,	503.36	
Charles L. Peck,	1.10	
Pulsifer, Cook & Co.,	114.71	
W. A. Robinson & Co.,	.75	
A. C. Smith,	6.50	
So. Mass. Telephone Co.,	443.28	
Wood, Brightman & Co.,	3.37	
J. Arnold Wright,	2.40	1,859.57

Lights and fuel:		
T. S. Corson,	250.28	
Denison Bros. Co.,	313.79	
Denison Plummer Co.,	2.50	
A. W. Holmes,	8.55	
N. B. Gas & Edison Light Co.,	975.92	
Wallace B. Wilson,	.50	1,551.54
Miscellaneous:		
Samuel O. Aborn, wreaths and figures,	2.00	
Lemuel D. Adams, committing prisoners,	30.96	
F. T. Akin & Co., glass and setting,	2.45	
Edgar W. Allen, committing prisoners,	8.59	
E. Anthony & Sons, advertising and printing,	85.07	
James W. Arnett, committing prisoners,	4.13	
Isaac L. Ashley, carriage hire,	16.95	
J. V. Bancroft, sprinkling streets,	29.00	
L. Bartel, special service,	369.00	
F. S. Blanchard & Co., year book,	1.50	
Blossom Bros., making clubs,	8.65	
Geo. L. Briggs, newspapers,	11.20	
Briggs & Lawrence, furniture and repairing,	39.97	
F. S. Brightman, stationery,	.46	
M. J. Brown, M. D., services,	5.00	
Brownell, Ashley & Co., exchange of carriages,	205.00	
Wm. P. Butler, wire cloth,	.98	
Thos. F. Callanan, committing prisoners,	13.26	
Patrick Cannavan, committing prisoners,	3.10	
Catholic Union Pub. Co., advertising,	5.00	
City Steam Laundry,	96.29	
Coggeshall, Maxfield & Co., repairing,	.25	
W. H. Collins & Co., ruling blanks and binding,	11.75	
Robert Cook, use of horse,	14.00	
William T. Cole, committing prisoners,	6.42	
Dr. E. W. Dehn, services,	12.00	
DeWolf & Vincent, drawer pulls,	.58	
R. N. B. Doane, photographs,	17.00	
A. H. & J. J. Donaghy,	28.93	
Geo. Douglass, keeper of lockup,	8.33	
C. L. Dunham, fitting urinals and closet,	60.46	
Geo. A Eggers, lines,	2.18	
D. Evans & Co., buttons,	58.50	
Fairfield Ice Co., ice,	5.05	
John W. Footman, bolts and labor,	7.00	
S. A. French, cap and coat ornaments,	30.60	

A. R. Frissell, court expenses,	37.10
E. C. Gardiner, carriage hire,	1.00
Emma K. Gardner, meals for lockup,	167.47
Geo. E. Gendron, committing prisoners,	19.95
T. J. Gifford & Co., repairs,	2.70
W. A. Greenough & Co., directories,	15.00
Stephen Hafford, Jr., special service,	156.60
Haskell & Tripp, screen,	3.89
Franklin L. Hathaway, court expenses,	22.80
N. P. Hayes, lanterns,	.95
James G. Hellyer, repairing water closet,	1.75
M. A. Hickey, painting signal,	.73
James W. Hindle, glass and setting,	1.95
H. S. Hutchinson & Co., stationery,	3.16
Wm. L. Kelley, repairing badges,	25.25
F. A. Kempton Est., rent,	25.00
C. H. & H. A. Lawton, medicines,	5.55
Dr. M. H. Leonard, services,	5.00
C. W. Lerned & Co., disinfectant,	75.00
Ellen L. Macomber, services,	21.14
H. M. Maine, beating carpets,	1.93
Henry W. Mason, cap ornaments,	25.50
Patrick McDonnell, committing prisoners,	11.25
Mercury Pub. Co., advertising and printing,	34.04
N. B. Gas & Edison Light Co., fitting fixtures,	34.20
N. B. Ice Co., ice,	8.55
Oak Hall Clothing Co., shoulder straps,	20.01
John C. Parker, committing prisoners,	74.55
E. F. Penney, fitting water closet,	9.75
Dr. A. M. Pierce, services,	10.00
Geo. W. Pinkham, committing prisoners,	18.47
A. P. Pope, repairs,	11.17
Dr. J. C. Pothier, services,	2.00
Dr. Wm G. Potter, services,	36.00
Harry D. Ricketson, repairing clothing,	6.50
John Robbins Mf'g. Co., badges,	12.50
Wm. Roscoe, committing prisoners,	15.71
Schuler Bros., blacking,	1.50
J. H. Shay, Jr., dentistry,	6.00
C. R. Sherman & Son, fitting locks and keys,	12.90
J. D. L. Sisson, repairing boat,	43.71
F. R. Slocum, chair and desk,	37.75
So. Mass. Telephone Co., rents,	346.53
So. Mass. Telephone Co., tolls,	59.57
Hoyland Smith, repairing clubs,	.35

Harry D. Stow, committing prisoners,	7.71	
Wm. F. Sturtevant, painting,	22.16	
Sturtevant & Sherman, repairs,	18.40	
Timothy Sullivan, committing prisoners,	24.49	
M. C. Swift & Son, coat ornaments,	17.80	
Robert W. Taber, stationery,	93.89	
George Thomas, ice,	25.20	
H. H. Tillson, expense on hats,	7.05	
W. C. Underwood, committing prisoners,	9.36	
Viall & Cook, rent,	166.70	
David C. Warren, carriage hire,	3.00	
Watson & Batchelder, making clubs,	34.10	
James L. Wilber, keeper of lockup,	83.30	
S. B. Wilbur, repairs,	52.15	
S. S. Wilbur, cleaning vault,	1.50	
Allen C. Wilde, repairs,	31.50	
C. F. Wing, repairing chair,	35.58	
James A. Wixon, committing prisoners,	17.34	
Wood, Brightman & Co, cleaning drain,	.75	
Emma Young, meals for lockup,	71.75	3,357.77
		$104,750.83
To transfer to balance,		3,316.54
		$108,067.37

Cr.

By appropriation,	$88,000.00	
Transfer from unappropriated funds,	20,000.00	
Cash receipts, as per Treasurer's report,	67.37	$108,067.37

POOR DEPARTMENT.

Dr.

Almshouse:

Almshouse help,	$4,980.01
Acushnet Co-op. Association,	15.20
F. T. Akin & Co.,	54.34
H. T. Allen,	75.00
E. Anthony & Sons,	22.51
A. Davis Ashley,	65.00
Dr. D. C. Ashley,	3.75
Ashley & Peirce,	70.45
S. H. Atkins,	5.00
Wm. Baylies,	452.49
James E. Blake,	7.70
Bliss & Nye,	70.14
H. A. Blackmer,	44.41
Geo. B. Borden,	31.32
H. T. Borden,	1.92
Boston Beef Co.,	5.67
C. T. Bosworth & Co.,	58.70
Brownell & Co.,	8.70
Brownell, Ashley & Co.,	16.18
Briggs & Lawrence,	25.99
Buchell Shoe House,	54.74
Bullock & Waldron,	122.16
Elihu Bunker,	6.00
Centennial American Tea Co.,	10.12
T. W. Chace & Co.,	23.05
Chadwick & Co.,	47.18
E. E. Chadwick,	847.06
E. T. Chapman,	134.48
Childs & Peckham,	42.89
Chidsey & Partridge,	21.62
C. H. Church,	4.55
Church & Hammond,	.62
Henry W. Cole & Co.,	48.28
H. B. Churbuck,	12.00
Wm. Collins,	26.95
T. S. Corson,	436.06
Thos. W. Croacher,	61.14
C. F. Cushing,	24.30
C. S. & B. Cummings,	21.05
J. Davis & Co.,	46.40

Davis & Hatch Spice Co.,	152.83
Lafayette Deane,	15.00
Denison Bros. Co.,	735.09
Denison, Plummer Co.,	320.73
P. Davoll & Son,	51.34
DeWolf & Vincent,	111.76
Thomas Donaghy,	105.14
Driscol, Church & Hall,	1,237.40
Geo. E. Faisneau,	70.84
Fischer Chemical Importing Co.,	11.00
Fire Department,	565.38
D. B. Folger,	42.87
C. H. Forbes,	17.80
Chas. M. Gifford,	528.50
Greene & Wood,	15.93
Chas. F. Grow,	31.05
Grow & Hart,	52.35
William A. Hall,	3.50
Frank E. Handy,	25.00
Jona. Handy Co.,	6.95
T. M. Hart & Co.,	28.26
Haskell & Tripp,	47.87
George E. Hatch,	25.22
N. P. Hayes,	30.50
James B. Hazzard,	13.40
Hillman, Washburn & Co.,	24.42
George S. Homer,	25.25
P. P. Jenney & Son,	9.45
Wm. L. Kelley,	29.95
C. L. Kenyon & Co.,	125.00
Kirby & Hicks,	30.00
Knowles & Co.,	97.23
C. H. & H. A. Lawton Co.,	85.71
Joseph S. Lewis, Jr.,	40.18
Clarence Lowell,	8.00
S. C. Lowe,	10.87
E. L. Macomber,	4.45
Fredk. Macy,	13.39
Ernest F. McCarty,	.31
John McCullough,	50.00
Mercury Pub. Co.,	8.00
Moore & Dick,	172.10
Moynan & Co.,	14.40
N. B. Cordage Co.,	1.47
N. B. Foundry & Machine Co.,	8.58

N. B. Rubber Co.,	21.93	
N. Y. Biscuit Co.,	19.68	
N. Y. Market,	1.54	
John Notter,	375.46	
P. H. Nye,	10.74	
James H. Nuttall,	90.07	
Chas. S. Paisler,	38.42	
E. F. Penney,	7.88	
C. A. B. Peterson,	264.05	
E. H. Pierce,	1.63	
G. & L. Poisson,	90.18	
Police Department,	71.29	
Wm. F. Potter & Co.,	138.76	
Geo. D. Richards,	22.51	
S. P. Richmond & Co.,	20.75	
Sanders & Barrows Clothing Co.,	37.00	
Etta Shaw,	22.00	
C. R. Sherman & Son,	1.50	
I. C. Sherman & Son,	2.50	
F. R. Slocum,	12.00	
So. Mass. Telephone Co.,	23.91	
F. L. Sowle & Co.,	16.51	
J. V. Spare,	60.92	
M. C. Swift & Son,	16.21	
Geo. S. Taber,	3.70	
Robert W. Taber,	6.10	
C. H. Tripp,	43.59	
C. H. Tripp & Co.,	119.71	
Tripp, Gammage & Co.,	24.85	
Union Boot & Shoe Co.,	22.75	
Henry K. Wampole & Co.,	24.75	
Watson Bros.,	14.72	
E. J. Weeks,	2.00	
Hiram Wheaton & Sons,	28.00	
E. B. Whiting & Co.,	13.34	
E. Williams,	168.00	
Wilson & Wordell,	221.78	
C. F. Wing,	94.21	
J. & W. R. Wing & Co.,	127.34	
Samuel Wing,	9.00	
Wood, Brightman & Co.,	12.09	15,312.97

OUTSIDE RELIEF.

Groceries:

Acushnet Co-op. Association,	$469.50
George L. Adams,	24.00
M. Alfres & Co.,	1.50
A. G. Alley,	43.00
Joseph Antone,	12.00
Wm. Armitage,	9.50
R. Arsenault,	10.00
J. B. Ashley, Jr.,	4.25
J. C. Austin,	6.00
Manuel Azevedo,	2.00
J. T. Baldwin,	30.00
M. Ballargeon,	3.00
J. W. Bates & Co.,	224.75
J. Barlow,	104.00
Barstow & Winslow,	39.00
Wm. H. Bennett,	24.00
Bolduc & Langlois,	26.00
A. N. Bolles,	32.00
Boston Beef Co.,	1,659.25
J. Byron Bradford,	83.50
J. W. Braley, Jr.,	152.25
David Bromley,	96.00
C. H. Brownell & Son,	373.50
Robert Burke,	37.50
Wm. Burke,	88.50
Thomas Burgess & Son,	174.50
Central Union Association,	345.65
W. L. Chadwick,	8.00
Wm. H. Chappell,	33.00
C. W. Chase,	14.00
Jos. Chausse,	251.50
Robert Clarke,	56.00
G. H. V. D. Cleveland,	16.00
Abraham Cohen,	1.50
Henry W. Cole & Co.,	61.25
John H. Cook,	168.25
I. C. Couling,	32.00
Coxen & Tripp,	130.00
C. S. & B. Cummings,	78.25
Cushman Bros.,	46.50
F. A. Dammon,	291.00
Dudley Davenport,	219.50

Geo. E. Davenport,	1.00
Davidson Bros.,	38.00
Geo. Davis,	6.00
James Davis,	10.00
S. Desautels,	62.00
J. Desroches,	15.00
M. Devantour,	2.00
John Dick,	8.00
Wm. M. Drew,	66.00
Joseph Fernandez,	39.50
L. C. Fish,	5.00
D. B. Folger,	240.50
E. M. Fraiser,	90.00
J. B. Francis,	45.00
Antone Frates,	22.50
Henry Gatie,	24.00
D. H. Gauthier,	71.50
R. Genensky,	14.50
A. L. Gonneville,	9.00
Gray's Market,	22.00
Lyman B. Gray,	12.50
Chas. J. Griffin,	1.50
H. S. Hammond,	36.00
P. R. Harrity,	41.00
James Haworth,	110.00
B. Herbert,	21.00
Wm. Hindle,	30.00
S. L. Horvitz,	4.00
B. G. Howland,	18.00
Frank C. Hoxie,	30.00
George Hunter,	186.50
H. S. Hutchinson & Co.,	.70
Fred. Hutchings,	29.00
Industrial Co-op. Association,	40.00
Frank Jameson,	6.00
W. Jenks,	2.00
W. F. Jenney,	66.00
Wm. H. Jennings,	2.00
Patrick Jordon,	20.00
D. H. Judd,	11.00
La Croix Bros.,	15.00
Joseph La France,	64.00
Moses La France,	6.00
Joseph Lagasse,	99.50
A. M. Lawton,	81.00

R. Laycock,	11.50
Clark Leavitt,	14.00
Frank Lee,	8.00
John H. Lowe,	1.50
Wm. T. Luce,	183.25
Wm. T. Luce, Jr.,	17.00
W. Lussier,	2.50
Michael McDonnell,	25.50
Manuel B. Mello,	1.00
L. E. Milliken,	124.50
L. E. Milliken & Co.,	230.00
Thomas J. Murphy,	138.50
Napoleon Nolin,	4.00
John Notter,	134.50
Wm. Ogden,	30.00
Alfred Owen,	12.00
S. Paquette,	19.50
Chas. F. Perry,	699.00
Frank Perry,	66.00
Joseph Perry,	18.00
E. L. Potter,	46.50
Wm. F. Potter & Co.,	5.00
Quincy Market,	87.00
S. P. Richmond & Co.,	10.00
J. F. Riley,	9.00
W. A. Robbins,	2.50
Daniel Robinson,	66.00
David Rose,	16.00
M. Rouleau,	1.50
Sauve & Gaudette,	20.00
Sears & Wallace,	16.00
C. Sharples,	1.50
E. S. Silvester,	24.00
A. G. Simmons,	13.50
Wm. Simister,	58.00
O. A. Sisson,	160.50
Caleb Slade,	52.00
M. W. Snailham & Son,	27.00
Geo. B. Stafford,	88.00
A. G. Stanton,	60.00
Peter F. Sullivan,	6.00
O. R. Taber & Son,	88.00
John C. Taylor,	8.00
Augustus C. Tripp,	17.00
Wilson M. Tripp,	22.00
Franklin H. Vinal,	127.50

A. R. Washburn,	119.00	
Whith Cash Store,	55.50	
Washington Square Cash Grocery,	29.00	
Wm. Whittaker,	72.00	
Fr. Zimmerman,	55.50	10,309.85
Lunatic Hospitals:		
Commonwealth of Massachusetts,	688.58	
Medfield Insane Asylum,	943.20	
Taunton Lunatic Hospital,	7,651.57	
Westboro Insane Asylum,	338.94	
Worcester Insane Asylum,	169.46	
Worcester Lunatic Hospital,	194.07	9,985.82
Cities and Towns:		
Barnstable,	115.00	
Boston,	102.53	
Cambridge,	1.75	
Chelsea,	85.50	
Dartmouth,	33.75	
Fairhaven,	3.00	
Fall River,	101.98	
Falmouth,	51.00	
Harwich,	52.00	
Lowell,	27.00	
Nantucket,	72.00	
Plymouth,	40.00	
Somerset,	11.00	
Springfield,	26.00	
Taunton,	10.50	
Ware,	6.02	
Wareham,	5.00	
Webster,	25.56	
Westfield,	58.30	
Westport,	51.00	
Woburn,	3.76	
Worcester,	150.70	1,033.35
Physicians and medicines:		
Dr. E. W. Dehn,	925.07	
F. M. Douglass,	.75	
Dr. Geo. F. Lewis,	937.87	
Dr. H. L. Stevens,	67.50	1,931.19
Burials:		
Robert G. Bennett,	23.00	
A. Desautels,	100.25	
J. B. Jean,	204.00	

A. P. Lagasse,	30.00	
Moriarty Bros.,	114.00	
T. J. Murphy,	98.00	
John Rogers,	174.75	
J. D. Sullivan,	109.00	
W. C. Vaughan, Jr.,	66.00	
Joseph S. Williams,	274.00	
E. T. Wilson,	254.00	1,447.00
Wood and coal yard:		
Stephen P. Coffin,	334.00	
Coggeshall, Maxfield & Co.,	2.75	
T. S. Corson,	694.60	
Denison Bros. Co.,	615.50	
D. Duff & Son,	8.75	
Geo. D. Richards,	.75	
Highways and streets department,	399.43	2,055.78
Miscellaneous:		
F. T. Akin & Co.,	17.43	
H. T. Allen,	140.00	
Almy & Hitch,	3.70	
E. Anthony & Sons,	88.43	
Isaac L. Ashley,	14.20	
R. Beetle,	7.42	
Blackbird Pen Co.,	5.50	
James E. Blake,	4.00	
F. S. Blanchard & Co.,	1.50	
H. C. Bolles,	75.00	
Boston Shoe Store,	1.25	
Briggs & Lawrence,	2.60	
F. S. Brightman,	6.00	
Buchell Shoe House,	11.00	
Ella F. Bucklyn,	641.63	
City Treasurer,	2,168.20	
Thos. J. Clynes,	1.50	
W. H. Collins & Co.,	58.90	
Chas. R. Cornell,	9.00	
P. Davoll & Son,	42.61	
DeWolf & Vincent,	2.19	
Thomas Donaghy,	3.20	
E. C. Gardiner,	4.00	
W. A. Greenough & Co.,	2.50	
C. A. Gray & Co.,	2.62	
Haskell & Tripp,	1.83	
Samuel Hobbs & Co.,	4.00	
Paul Howland, Jr.,	7.75	

H. S. Hutchinson & Co.,	7.75	
Wm. L. Kelley,	8.00	
Lea Bros.,	7.00	
E. F. Leonard,	68.00	
B. Lemanisky,	4.00	
Mass. General Hospital,	36.00	
Mercury Pub. Co.,	28.32	
Moynan & Co.,	5.72	
N. B. Gas & Edison Light Co.,	17.99	
N. B. Printing Co.,	31.00	
Charles S. Paisler,	137.50	
Chas. S. Paisler,	8.75	
F. H. Peckham,	8.00	
E. M. Peirce,	16.00	
J. Henry Peirce,	25.50	
S. F. Perry & Son,	2.00	
Joseph Perry,	8.00	
Dr. C. A. B. Peterson,	137.50	
James E. Reed,	10.75	
Geo. D. Richards,	8.80	
Mortimer Searles,	6.30	
Antone H. Senna,	103.00	
F. R. Slocum,	54.00	
So. Mass. Telephone Co.,	59.97	
J. V. Spare,	4.63	
James E. Stanton,	287.99	
St. Luke's Hospital,	22.41	
Daniel J. Sullivan,	40.00	
Sulpho Napthol Co.,	25.00	
A. A. Sylvia,	4.00	
A. L. Sylvia,	20.00	
Robert W. Taber,	160.06	
Union Boot and Shoe Co.,	36.15	
C. F. Wing,	11.85	
Thomas G. Wing,	495.81	
J. & W. R. Wing & Co.,	6.75	
A. A. Wood,	641.63	5,884.09
		$47,960.05

Cr.

By appropriation,	$36,000.00	
Cash receipts, as per Treasurer's report,	5.30	
Transfer from unappropriated funds,	10,000.00	
Transfer to balance,	1,954.75	$47,960.05

PRINTING, BINDING, AND STATIONERY.

Dr.

E. Anthony & Sons,	$2,633.95	
Blackbird Pen Co.,	19.50	
Geo. L. Briggs,	9.00	
F. S. Brightman,	172.18	
T. S. Buck,	6.80	
Carter's Ink Co.,	4.50	
W. H. Collins & Co.,	516.42	
Samuel Hobbs & Co.,	169.25	
H. S. Hutchinson & Co.,	21.57	
Library Bureau,	14.98	
T. Lyon,	18.00	
A. E. Martell & Co.,	3.50	
Henry W. Meek,	3.00	
Mercury Pub. Co.,	268.99	
Morgan, Crossman & Co.,	.50	
N. B. Printing Co.,	12.00	
W. F. Sadler,	3.20	
C. R. Sherman & Son,	11.88	
Robert W. Taber,	343.47	$4,232.69

Cr.

By appropriation,	$4,000.00	
Transfer to balance,	232.69	$4,232.69

PUBLIC SCHOOLS, PAY OF TEACHERS.

Dr.

HIGH SCHOOL.

Charles S. Moore,	$2,461.25	
Charles T. Bonney, Jr.,	1,440.00	
Charles R. Allen,	1,440.00	
William K. Norton,	1,380.00	
Byrd A. Peters,	720.00	
Ernest V. Page,	330.00	
Elizabeth P. Briggs,	795.00	
Lydia J. Cranston,	810.00	
Mary E. Austin,	810.00	
Lucretia N. Smith,	810.00	
Emma K. Shaw,	810.00	
Helen L. Hadley,	810.00	
Mabel W. Cleveland,	765.00	
Annah P. Hazen,	90.00	
Emma H. Parker,	116.00	
Catherine M. Crabtree,	700.00	
Edmand E. Baudoin,	270.00	$14,557.25

GRAMMAR SCHOOLS.

Fifth Street:		
Allen F. Wood,	1,710.00	
Lydia Macreading,	607.32	
N. Emma Slack,	594.64	
Mary E. Allen,	532.00	
Sarah E. Stoddard,	540.00	
Emma A. McAfee,	540.00	
Mary W. Leymunion,	537.00	
Annie C. Hart,	540.00	
Mary A. Kane,	540.00	
Grace L. Carver,	540.00	
Lottie M. Allen,	510.00	7,190.96
Middle Street:		
George H. Tripp,	1,710.00	
Lucy B. Fish,	607.32	
Lucy F. Winchester	607.32	
Anastasia O'Keefe,	505.00	
Agnes J. Dunlap,	180.00	
Clara S. Vincent,	538.00	
Etta M. Abbott,	537.00	
Helen McCoy,	540.00	

Lizzie E. Omey,	540.00	
Julia C. Gifford,	540.00	
Elizabeth D. Hicks,	425.46	
Ida M. Clement,	360.00	7,090.10
Parker Street:		
Nelson Freeman,	1,710.00	
Anna L. Jennings,	607.32	
Helen Ring,	607.32	
Martha A. Hemenway,	540.00	
Daisy M. Butts,	539.00	
Mary L. Petty,	540.00	
Mariana N. Richmond,	540.00	
Elizabeth B. Brightman,	535.00	
Emily A. Delano,	540.00	
Susan H. Lane,	540.00	
Emma D. Larrabee,	540.00	
Regnia M. Paul,	540.00	
Angenette Chace,	465.00	
Clara M. Woodward,	180.00	
Susan Gifford,	138.06	
Alice A. Richardson,	150.00	8,711.70
Thompson Street:		
GRAMMAR DEPARTMENT.		
Alice C. Munsey,	1,080.00	
Mary A. Macy,	540.00	
Cora B. Cleveland,	540.00	
Lizzie M. Briggs,	345.00	
Charlotte M. Murkland,	426.76	
Ethel S. Parker,	135.00	
Annie L. Murkland,	375.26	
Annie H. Bartlett,	72.00	
Grace E. Weeks,	465.00	
PRIMARY DEPARTMENT.		
Alice J. Lawrence,	322.00	
Angela F. Bowie,	289.85	
Mary L. Rogers,	243.96	
Helen G. Malley,	298.40	5,133.23
Phillips Avenue:		
GRAMMAR DEPARTMENT.		
Agnes J. Dunlap,	500.00	
Clara M. Woodward,	360.00	
Alice A. Richardson,	313.75	
Susan Gifford,	251.82	

PRIMARY DEPARTMENT.

Annie Sanborn,	151.25	
Ida A. Ricker,	165.00	
Helen I. Boyd,	287.37	
Louise M. Newhall,	165.00	
Helen K. Covell,	120.00	2,314.19

PRIMARY SCHOOLS.

Acushnet Avenue:		
Jane C. Thompson,	675.00	
Hattie L. Finlan,	493.62	
Carrie S. Silva,	495.00	
Nellie A. Walker,	495.00	
Margaret H. Holmes,	495.00	
Sarah E. Kirwin,	492.25	
Julia M. Pilling,	495.00	
Harriet L. Cornell,	494.20	
Lydia J. Brightman,	495.00	
Mary C. Barstow,	495.00	
Sylvia W. Paulding,	354.24	
Bertha C. Hathaway	10.00	5,489.31
I. W. Benjamin:		
Jane E. Gilmore,	774.99	
Susan M. Tompkins,	353.00	
Annie C. O'Connor,	493.40	
Nellie W. Davis,	478.20	
Alice A. Taylor,	491.80	
Mabel Bennett,	328.63	
Eleanor V. Tripp,	322.00	
Dora A. DeWolf,	139.40	
Florence M. Anthony,	119.00	
Cecilia A. Deane,	120.00	
Emma L. Gartland,	491.25	
Marion H. Swasey,	442.25	
Sophie T. Anthony,	403.11	
Lila D. Haney,	403.11	
Laura C. McCabe,	403.11	
Cora E. Clay,	244.60	
Ella W. Keene,	125.84	
Flora Pearl,	427.50	
Alice J. Lawrence,	13.75	
Mary E. Ward,	90.00	
Helen G. Malley,	151.25	
Mary F. Livingston,	316.25	7,132.44

Cedar Grove Street:		
Maria B. Clark,	787.32	
Louise M. Newhall,	330.00	
Annie G. Brawley,	494.20	
Edith K. Weeden,	218.40	
Isabella F. Winslow,	495.00	
Kate Sweet,	495.00	
Alice P. Winchester,	495.00	
Ruth E. Pease,	491.00	
A. Gertrude Wheaton,	495.00	
Minnie C. Ritter,	472.62	
Julia W. Corish.	462.60	
Gillian M. Gordon,	381.36	
Sara Peckham,	403.11	
Harriet A. Taylor,	397.34	
Sylvia W. Paulding,	10.00	
Agnes F. Barker,	293.50	
Grace N. Bramhall,	429.14	
Helen L. Simmons,	82.40	
Helen I. Boyd,	1.38	
Mary P. Brownell,	120.00	
Agnes D. Allen,	120.00	7,474.37
Cedar Street:		
Annie S. Homer,	228.00	
Abby D. Whitney,	413.50	
Bessie P. Pierce,	526.20	
Annie L. Edwards,	495.00	
Mabel L. Hathaway,	488.83	
Ruth M. Tripp,	460.20	
Mary V. Perry,	120.00	
Mabel A. Warner,	90.00	
Ida A. Ricker,	56.20	2,877.93
Cannonville:		
Adelaide J. McFarlin,	502.44	
Florence A. Poole,	465.00	967.44
Clark Street:		
Elizabeth P. Spooner,	636.20	
Lucy S. Leach,	489.50	
Isabella Luscomb,	495.00	
Esther Paul,	389.88	
Lucia E. Bliss,	399.74	
Carrie L. Chapman,	326.80	
Martha D. Shute,	463.80	

Annie S. Ray,	465.00	
Grace B. Ashley,	127.44	
Clara L. Bennett,	100.00	3,893.36
Dartmouth Street:		
Isadore F. Eldridge,	635.72	
M. Eva Schwall,	330.00	
Grace H. Potter,	330.00	
Annie F. Smith,	487.00	
Edith M. B. Taber,	493.63	
Nellie H. Cook,	495.00	
Sara H. Kelley,	479.00	
Sarah E. Slade,	270.00	
Carrie W. Bliss,	380.46	
Sarah F. Pratt,	165.00	4,065.81
Thomas A. Greene:		
Sarah H. Cranston,	629.37	
Eliza H. Sanford,	487.75	
Sarah E. Sears,	492.25	
Lillie C. Tillinghast,	488.13	
Annie L. Macreading,	495.00	
Caroline E. Bonney,	491.25	
Ruth E. Howland,	124.31	
Bertha C. Hathaway,	356.44	
Dora A. DeWolf,	328.63	3,893.13
S. A. Howland:		
Carrie E. Footman,	562.32	
Amelia Lincoln,	482.62	
Mary J. Graham,	495.00	
Helen J. Kirk,	495.00	
Ruth A. Wilde,	369.26	2,404.20
Merrimac Street:		
Harriet S. Damon,	585.00	
Julia A. Ellis,	494.20	
Addie West,	152.20	
Anna I. Dexter,	494.20	
Ella M. Robinson,	495.00	
M. Evelyn Holloway,	330.00	
Ella W. Keene,	237.60	
Grace A. Arms,	96.00	2,884.20
Maxfield Street:		
Elizabeth Bennett,	521.20	
Annie E. Pearce,	490.20	
Clara C. M. Gage,	495.00	
Mary E. Pasho,	481.25	1,987.65

George H. Dunbar:		
M. Eva Schwall,	195.00	
Angela F. Bowie,	150.00	
Mary L. Rogers,	127.44	
Sarah E. Slade,	150.00	
Helen G. Malley,	13.75	
Grace H. Potter,	165.00	
Alice J. Lawrence,	150.45	951.64
Harrington Normal and Training School:		
Josephine B. Stuart,	1,337.50	
Mary E. Trask,	970.75	
Carolyn D. Wood,	810.00	
Belle Almy,	486.64	
Fannie M. Spooner,	494.20	
Kate Moore,	510.00	
Grace W. Russell,	464.20	
Agnes D. Allen,	92.80	
Helen K. Covell,	70.00	
Mary V. Perry,	93.20	
Florence M. Anthony,	90.00	
Mary P. Brownell,	86.80	
Cecilia A. Deane,	92.00	
Harriet S. Ashley,	76.40	
Lucy S. Cushing,	32.40	
Grace W. Dillingham,	106.40	
Nellie E. Gibson,	115.60	
Carolyn S. Jones,	118.40	
Clara J. Wetherell,	135.20	
Jennie A. Murphy,	110.40	6,292.89

UNGRADED SCHOOLS.

North Mill:		
Emma R. Wentworth,	612.00	
Mary L. Hillman,	158.00	
Charlotte C. Carr,	165.00	
Flora A. Pearl,	37.50	972.50
South Mill:		
Lucy J. Remington,	620.00	
Ruby M. Tripp,	501.25	1,121.25
Acushnet:		
Charlotte C. Carr,	409.50	
Belle B. Wheeler,	540.00	
Harriet N. Hyatt,	495.00	
Annie C. Maxfield,	180.00	1,624.50

Clark's Point:		
Mary E. McAuliffe,	540.00	
Anna H. Bartlett,	282.48	
Agnes J. Butler,	82.00	904.48
North:		
Mary I. Ashley,	540.00	
Mary G. F. Davis,	420.00	960.00
Plainville:		
Grace B. Ashley,	254.88	
Eudora Lawrence,	180.00	434.88
Rockdale:		
Lillian T. Thomas,	532.00	
Alice P. Terry,	277.00	809.00

SPECIAL TEACHERS.

F. H. Butterfield,	1,653.00	
Mary W. Gilbert,	1,230.00	
Edwin R. King,	1,260.00	
S. Agnes Donham,	540.00	
Carrie H. Richmond,	360.00	
Lena M. Willis,	157.44	
Gertrude H. Leonard,	472.32	
Harriet S. Phillips,	472.32	6,145.08

EVENING SCHOOLS.

Cedar Grove Street:		
Nelson Freeman,	45.50	
Ernest V. Page,	49.00	
Allen F. Wood,	7.00	
Helen McCoy,	22.50	
Annie G. Brawley,	43.50	
Nannie P. Slocum,	22.50	
Carolyn S. Jones,	9.00	
Mary R. Hinckley,	43.50	
Louise M. Newhall,	22.50	
Sarah F. Pratt,	18.00	
Abby R. Johnson,	43.50	
Helen G. Malley,	22.50	
Mary L. Pettey,	3.00	
Isabella F. Winslow,	43.50	
Susan E. R. Butts,	43.50	
Isadore B. Lee,	43.50	
Isabel Horr,	22.50	
Lulu F. Rider,	10.50	

Ruth M. Tripp,	42.00	
Myra A. Tinkham,	22.50	
Mellie G. Harding,	10.50	
Mina M. Greene,	22.50	
Bessie E. Fairchild,	15.00	
Marion Swasey,	1.50	
Mary E. McAuliffe,	21.00	
Eliza G. M. Jenney,	21.00	
Alice Kelleher,	21.00	
Emma R. Wentworth,	19.50	
Annie S. Ray,	19.50	
Mary E. Ward,	18.00	
Dora A. DeWolf,	18.00	767.50
Fifth Street:		
George H. Tripp,	101.50	
Sarah E. Stoddard,	43.50	
Mary J. Graham,	43.50	
Belle Almy,	22.50	
Clara S. Vincent,	42.00	
Sara Peckham,	43.50	
Nellie H. Cook,	43.50	
Julia C. Gifford,	43.50	
Etta M. Abbott,	43.50	
Annie C. Hart,	43.50	
Lillie C. Tillinghast,	43.50	
Catharine T. Johnson,	43.50	
Helen McCoy,	21.00	
Ida M. Clement,	18.00	
Edith M. B. Taber,	12.00	608.50
Parker Street:		
Mary A. Kane,	93.00	
Agnes J. Dunlap,	45.00	
Harriet L. Cornell,	22.50	
Mabel L. Hathaway,	22.50	
Sarah E. Kirwin,	43.50	
Jennie Murphy,	22.50	
Ella W. Keene,	4.50	
Sara L. Tallman,	40.50	
Daisy M. Butts,	15.00	
Mary L. Pettey,	15.00	
Emma D. Larrabee,	43.50	
Regnia M. Paul,	22.50	
Julia W. Corish,	43.50	
Esther W. Paul,	43.50	

Lizzie E. Omey,	21.00	
Mary F. McIntyre,	21.00	519.00
Phillips Avenue:		
William A. MacCord,	49.00	
Grace B. Ashley,	21.00	
Nellie A. Walker,	21.00	
Jennie E. Gardner,	15.00	
Mary F. Livingston,	21.00	
Alice L. Allen,	21.00	
Hannah E. Norton,	21.00	
Susan Gifford,	21.00	
Edith Spooner,	21.00	
Nannie P. Slocum,	21.00	
Ida E. Bailey,	18.00	250.00
Thompson Street:		
Joseph P. Kennedy,	101.50	
Janet Hunter,	43.50	
Kate K. Whelden,	43.50	
Emma L. Gartland,	43.50	
Clara M. Woodward,	43.50	
Annie F. Smith,	40.50	
Alice A. Taylor,	42.00	
Hannah V. Hathaway,	22.50	
Mary L. Rogers,	43.50	
Mary V. Perry,	43.50	
Cecilia A. Deane,	43.50	
Nellie E. Gibson,	22.50	
Laura C. McCabe,	1.50	
Agnes D. Allen,	21.00	
Helen G. Malley,	21.00	
Lila B. Lewis,	3.00	580.00
Evening Drawing:		
George H. Nye,	135.00	
Oliver H. Gardner,	90.00	
Franklin E. Smith,	40.00	
Katharine M. Crabtree,	87.00	352.00

SUBSTITUTES.

Harriet S. Ashley,	37.20
Agnes D. Allen,	2.00
Ina C. Brooks,	42.00
Mary P. Brownell,	60.80
Helen K. Covell,	25.40

Lucy S. Cushing,	23.20	
Sarah A. Cowles,	96.00	
Grace W. Dillingham,	66.40	
Cecilia A. Deane,	3.20	
Nellie E. Gibson,	24.00	
Estelle Hurll,	1.20	
Janet Hunter,	409.00	
Ruth E. Howland,	21.05	
Mary E. Haney,	32.00	
Alice E. Higham,	11.20	
Florence A. Howland,	.80	
Caroline S. Jones,	43.60	
Mary A. Livesey,	83.00	
Jenny A. Murphy,	58.40	
Hannah E. Norton,	.80	
Mary E. Peckham,	.80	
Mary J. Read,	10.40	
Nannie P. Slocum,	46.40	
Minnie H. Smythe,	1.60	
Helen L. Simmons,	36.00	
Myra A. Tinkham,	8.80	
Harriet J. Thorpe,	.80	
Susan A. Wilcox,	15.00	
Rachel M. Wordell,	120.00	
Clara J. Wetherell,	4.80	1,285.85
		$112,646.34
To transfer to balance,		10,153.66
		$122,800.00

Cr.

By appropriation,	$100,800.00	
Transfer from unappropriated funds,	22,000.00	$122,800.00

PUBLIC SCHOOLS, INCIDENTALS.

Dr.

Salaries:		
Wm. E. Hatch, superintendent and secretary,	$3,230.40	
Emma M. Almy, clerk,	784.32	
Mary C. Potter, clerk,	415.20	
Sarah D. Ottiwell, clerk,	360.00	
Elizabeth Gibbs, clerk,	6.00	$4,795.92
Pay rolls:		
Janitors and Truant Officers,		15,005.29
Books and stationery:		
Allyn & Bacon,	31.84	
American Book Co.,	915.42	
Daniel Appleton & Co.,	16.80	
T. H. Bailey,	3.25	
Boston School Supply Co.,	135.00	
T. H. Castor & Co.,	30.32	
Chemical Paper Co.,	445.42	
W. B. Clarke & Co.,	12.00	
Clasp Envelope Co.,	10.00	
Joseph Gillotte & Sons,	138.34	
Ginn & Company,	538.34	
Harper & Bros.,	14.00	
D. C. Heath & Co.,	245.06	
Holden Pat. Book Cover Co.,	400.82	
Houghton, Mifflin & Co.,	16.48	
H. S. Hutchinson & Co.,	82.76	
Leach, Shewell & Sanborn,	14.17	
Lee & Shepard,	20.00	
Macmillan & Co.,	100.00	
Bunkio Matsuki,	.60	
Maynard, Merrill & Co.,	532.76	
Mercury Pub. Co.,	26.25	
Munson Phonographic Pub. Co.,	72.00	
Geo. S. Perry & Co.,	45.20	
Prang Educational Co.,	1,192.54	
G. P. Putnam's Sons,	5.63	
Geo. H. Richter & Co.,	87.05	
Riverside Paper Co.,	471.03	
Robert W. Taber,	303.45	
Thompson, Brown & Co.,	297.62	

Wm. Ware & Co.,	784.02	
Wyckoff, Seamans & Benedick,	13.25	7,001.42
Repairs of buildings:		
F. T. Akin & Co.,	3.85	
Geo. A. Cobb,	9.29	
Coggeshall, Maxfield & Co.,	.40	
L. H. Faunce,	31.29	
Fournier & Nicholson,	3.50	
N. B. Gas & Edison Light Co.,	301.20	
A. P. Pope,	66.91	
R. A. Sherman & Son,	317.15	
Wood, Brightman & Co.,	7.18	740.77
Repairs of heating apparatus:		
Babbitt, Wood & Co.,	9.71	
Edward J. Begley,	4.63	
T. W. Chace & Co.,	429.44	
C. H. Dunham,	37.34	
M. S. Gifford,	529.80	
Geo. E. Hatch,	84.88	
Wm. G. Hayden,	36.13	
Jos. S. Lewis, Jr.,	23.91	
Lewis & Padleford,	265.77	
S. C. Lowe,	10.75	
N. B. Boiler & Machine Co.,	168.48	
A. A. Sanborn,	3.50	
John B. Sullivan,	15.00	
J. W. Welsh,	98.95	
Wm. R. West,	1.20	
Wood, Brightman & Co.,	107.43	1,826.92
Lights and fuel:		
F. T. Akin & Co.,	7.10	
Mary I. Ashley,	3.00	
Merton B. Ashley,	104.00	
H. T. Borden,	17.75	
Patrick Connors,	6.50	
T. S. Corson,	4,843.76	
Denison Bros. Co.,	2,783.42	
R. T. Durfey,	3.36	
S. T. Hawes,	11.00	
A. W. Holmes,	13.40	
D. Hutchings,	15.00	
N. B. Gas & Edison Light Co.,	839.88	
John Notter,	8.25	
John N. O'Brien,	4.00	

John A. Russell,	7.47	
L. A. Washburn,	8.50	
Wallace B. Wilson,	4.50	8,680.89
Supplies:		
F. T. Akin & Co.,	.64	
E. Anthony & Sons,	265.96	
J. G. Bassett,	6.00	
James E. Blake,	14.46	
J. D. Blanchard & Co.,	1.50	
Bliss & Nye,	8.64	
H. C. Bolles,	1.50	
C. H. Brownell & Son,	104.89	
E. C. Brownell & Co.,	1.00	
Central Union Association,	1.33	
Chandler & Barber,	80.00	
C. S. & B. Cummings,	.75	
Frank M. Douglass,	17.95	
Driscol, Church & Hall,	4.45	
C. L. Dunham,	1.60	
Ellis Publishing Co.,	124.50	
Eimer & Amend,	16.04	
Geo. E. Faisneau,	15.94	
Frost & Adams Co,,	49.10	
J. K. Hammett Co.,	6.00	
J. H. Harding,	35.00	
Haskell & Tripp,	56.05	
W. E. Hatch,	1.50	
Thos. Hersom & Co.,	35.60	
W. S. Hill Electric Co.,	1.95	
G. W. Hillman,	19.85	
H. S. Hutchinson & Co.,	4.57	
L. E. Knott Apparatus Co.,	58.07	
C. H. & H. A Lawton Co.,	.20	
Library Bureau,	2.50	
J. Roland Macy,	.50	
Masury, Young & Co.,	7.50	
Mercury Pub. Co.,	188.04	
Moore & Dick,	.75	
N. B. Rubber Co.,	15.79	
James H. Nuttall,	3.05	
Pairpoint Manf'g. Co.,	4.75	
Frank R. Pease,	2.58	
Geo. S. Perry & Co.,	188.41	
E. H. Pierce,	13.15	
G. & L. Poisson,	3.00	

Pope's Island Manf'g. Co.,	1.45	
Geo. D. Richards,	38.85	
E. S. Ritchie & Sons,	2.75	
Slocum & Kilburn,	.50	
Smith Premier Type Writer Co.,	2.50	
Nat. P. Sowle,	149.00	
Josephine B. Stuart,	3.63	
Thorp & Martin Co.,	7.20	
W. J. Tilton,	5.51	
Type Writer Cushion Key Co.,	5.00	
Watson Bros.,	2.05	
Williams & Rogers,	74.25	
Howard M. Wood,	6.00	
Ziegler Bros.,	27.12	1,690.87
Miscellaneous:		
Edwin Allen's Express, expressage,	5.75	
Almy & Hitch, shades and rollers,	3.55	
American Bank Note Co., diplomas,	75.00	
E. Anthony & Sons., printing and advertising,	276.82	
Robert Arnett, washing towels,	21.33	
Isaac L. Ashley, carriage hire,	2.00	
Mary I. Ashley, labor,	15.00	
George Bailey, labor,	119.25	
J. L. Ballou, seating,	13.10	
Bates Manuf'g Co., dating machine,	9.00	
Battery E. 1st Reg. M. V. M., rent,	36.00	
E. E. Baudoin, services field day and cadet camp,	33.80	
Willard B. Bennett, sharpening mowers,	4.75	
F. S. Blanchard & Co., year book,	1.50	
Z. E. Booth, stenographer's services,	21.00	
Samuel S. Broadbent, washing towels,	4.46	
Bliss & Nye, fire set,	3.75	
Briggs & Lawrence, shades and furnitnre,	438.91	
Phylander Chace, washing towels,	5.29	
C. H. Chase, transportation,	24.30	
Chandler Adjustable Chain and Desk Co.,	393.81	
City Coal Co., cartage,	105.92	
W. J. Cochrane, washing towels,	17.02	
W. H. Collins & Co., ruling & binding,	158.79	
Samuel H. Cook & Co., insurance,	100.00	
Wm. B. Cross, rent of theater,	83.25	
C. F. Cushing, fitting gun straps,	1.50	
Geo. K. Dammon, labor and cartage,	20.80	
Robt. W. Deane, repairing furniture,	24.00	
H. G. Dennis, rent,	458.33	

Robert B. Devoll, services,	42.85
DeWolf & Vincent, hardware,	100.78
C. L. Dunham, hardware,	42.42
Geo. E. Eggers, repairing guns,	136.80
T. H. Eckfeldt, correcting Bourne essays,	10.00
Eimer & Amend, thermometers,	11.25
W. T. Emery, Welshbach burners,	123.30
C. A. Galligan, furniture,	38.85
E. H. Gammons, cleaning vaults,	4.00
W. A. Greenough & Co., directories,	5.00
James Harper, labor,	5.00
Hatch & Co., express,	69.05
Geo. E. Hatch, water pot,	.75
Wm. E. Hatch, transportation,	12.00
A. B. Hathaway, class motto and plants,	14.00
D. L. Hathaway & Son, picture wire, hooks and labor,	5.48
Geo. B. Hathaway, filling diplomas,	15.00
N. P. Hayes, drawer pulls,	1.50
James T. Herron, washing towels,	9.58
Highways and streets, moving rubbish,	.50
Hillman, Washburn & Co., hardware,	34.66
Hindle & Larkin, stock and labor on desks,	74.94
Thos. Holloway, labor,	10.00
Edward Hughes, batteries and labor,	9.45
P. P. Jenney, sharpening saws and mowers	14.75
Wm. A. Jennings, cartage,	300.53
Edwin Jones, washing towels,	6.84
Chas. F. Keen, use of machines and power,	15.55
Wm. L. Kelley, clocks and repairing,	15.50
Kern & Wright, repairs and labor,	7.40
Edward King, brass castings,	.48
John A. Lowe, rent,	336.00
Hiram T. Lumbert, washing towels,	21.33
John Lumbert, washing towels,	4.65
S. G. Mandell, repairing bells,	34.00
John Marble, washing towels,	3.35
Thomas J. Meaney, rent,	1,000.00
Mercury Pub. Co., advertising and printing,	67.23
R. J. Moncrieff, washing towels,	4.04
Chas. S. Moore, expenses,	4.62
N. B. Cordage Co., rope,	.48
N. B. Cycle Shop, repairing bells,	5.20
N. B. Steam Carpet Beating Est., beating carpets,	20.63
N. Y. N. H. & H. Railroad Co., freight,	.89
Orpin Bros., desks,	36.00

Chas. L. Peck, fitting batteries,	2.55	
Henry T. Phillips, repairing furniture,	108.25	
Wm. Peirce, use of plants,	3.00	
E. F. Penney, repairing ash barrels,	1.85	
Geo. S. Perry & Co., furniture,	180.82	
S. F. Perry & Son, carriage hire,	10.00	
F. O. Pollock, washing towels,	54.59	
E. S. Richie & Sons, repairing batteries,	2.75	
A. S. Rounsville & Co., jars,	7.50	
John H. Rudge, washing towels,	2.10	
Mortimer Searles, stamps,	2.70	
Stephen H. Shepherd, car fares,	1.50	
C. R. Sherman & Son, fitting bells,	23.50	
R. A. Sherman & Son, labor and seating,	61.46	
Louis E. Shurtleff, cleaning clocks,	4.00	
J. S. Sisson, rent,	175.00	
Slocum & Kilburn, ash barrels,	8.00	
A. C. Smith, zincs and batteries,	29.72	
So. Mass. Telephone Co., rents,	164.00	
So. Primitive Meth. Church, rent,	450.00	
F. L. Sowle & Co., hardware,	31.65	
Soule Decorating Co., decorating,	5.00	
Spruce St. Christian Church, rent,	280.00	
D. J. Sullivan, clocks,	6.75	
John Silvia, washing towels,	11.95	
Taber Art Co., framing pictures,	4.00	
Edwin S. Tallman, washing towels,	4.44	
Taylor & Sawtelle, soap dishes,	.50	
George Thomas, ice,	2.50	
E. E. Tolman, orchestra,	15.00	
Frank B. Wade, services,	232 00	
Wm. R. West, labor on furniture,	8.63	
A. P. White, soap, soda and labor,	33.44	
Samuel Whitlow, batteries,	10.58	
A. G. Wilbor, clocks,	2.00	
S. S. Wilbur, cleaning vaults,	2.50	
C. F. Wing, furniture, carpets and shades,	470.92	
T. G. Wing, agent, fire extinguishers,	4.00	
James A. Wood, washing towels,	9.65	
Wood, Brightman & Co., syringe pipe,	5.90	7,588.41
		$47,330.49
To transfer to balance,		1,672.06
		$49,002.55

Cr.

By appropriation,	$36,800.00	
Transfer from unappropriated funds,	12,200.00	
Cash receipts, as per Treasurer's report,	2.55	$49,002.55

PUBLIC SCHOOLS, REPAIRS OF BUILDINGS.

Dr.

Acushnet:		
Charles O. Brightman,	$10.56	
Charles F. Chase,	28.81	
Geo. A. Cobb,	3.50	
C. L. Dunham,	10.70	
E. Morton,	26.23	
John F. Parker,	13.00	
Joseph W. Spooner,	4.50	
F. P. Washburn,	5.25	$102.55
Acushnet Avenue:		
Highways and streets,	76.46	
Benj. C. Magnett,	40.00	
T. J. Moriarty,	55.01	
E. F. Penney,	63.67	
A. W. Perkins & Co.,	5.50	240.64
Benjamin:		
D. W. Allen,	137.00	
F. H. Deane,	38.16	
E. H. Gammons,	2.00	
James B. Hazzard,	10.20	
M. A. Hickey,	331.97	
John J. Meaney,	133.69	
William N. Nelson,	24.92	
Theodore J. Sylvia,	5.09	683.03
Cannonville:		
A. P. Pope,	2.98	
R. A. Sherman & Son,	26.35	29.33
Cedar Street:		
George E. Hatch,	1,369.46	
Highways and streets,	20.13	
Mrs. B. F. Lewis,	49.78	

J. L. G. Mason,	417.21	
A. P. Pope,	329.75	
Chas. Thompson,	1.10	2,187.43
Cedar Grove Street:		
D. W. Allen,	119.42	
P. Black,	10.08	
Joseph Blanchard,	9.80	
Joseph Blanchette,	23.00	
C. L. Dunham,	31.21	
J. H. Ennis,	107.78	
L. H. Faunce,	99.95	
Founier & Nicholson,	13.18	
George E. Hatch,	4.25	
Patrick Herlihy,	34.65	
Highways and streets,	42.29	
Llewelyn Lloyd,	11.00	
S. C. Lowe,	15.85	
W. Martin,	36.00	
E. Morton,	14.40	
Joseph Riley,	951.64	
J. B. Sullivan,	818.60	
Wm. R. West,	107.27	2,450.37
Clark's Point:		
M. A. Hickey,	1.00	
John J. Meaney,	21.37	
S. S. Wilbur,	1.00	23.37
Clark Street:		
Geo. A. Bosworth,	3.35	
Highways and streets,	5.14	
T. E. Mahoney,	27.62	
J. B. Sullivan,	52.58	
Wm. R. West,	74.11	162.80
Dartmouth Street:		
D. W. Allen,	137.00	
Jason L. Ballou,	289.80	
F. H. Deane,	29.12	
Wm. G. Hayden,	93.09	
M. A. Hickey,	11.13	
Highways and streets,	35.38	
Herman Karcher,	2.47	
Benj. C. Magnett,	24.50	
John J. Meaney,	83.27	
Rogers & Perry,	69.65	
Wood, Brightman & Co.,	.90	776.31

Fifth Street:		
T. W. Chace & Co.,	44.27	
Jenney & Buffington,	30.49	
Herman Karcher,	97.60	
James H. Sherman,	14.10	
R. A. Sherman,	366.51	
R. A. Sherman & Son,	23.19	576.16
Harrington:		
D. W. Allen,	144.90	
D. L. Hathaway & Son,	234.21	
Kern & Wright,	302.47	
John M. McLeod,	62.45	
James F. Slade,	10.00	
Taylor & Sawtelle,	15.42	
S. S. Wilbur,	6.33	
Wood, Brightman & Co.,	4.80	780.58
High:		
T. W. Chace & Co.,	23.29	
T. W. Croacher,	116.76	
DeWolf & Vincent,	4.49	
R. T. Durfey,	171.76	
Highways and streets,	82.60	
Mrs. B. F. Lewis,	411.11	
Wm. Peirce,	14.00	
James L. Sherman,	25.95	
C. R. Sherman & Son,	1.00	
R. A. Taber,	20.45	871.41
Howland:		
Jason L. Ballou,	45.53	
Highways and streets,	.80	
Hindle & Larkin,	56.56	
Kern & Wright,	3.93	
A. P. Pope,	1.35	108.17
Linden Street:		
Jason L. Ballou,	11.30	
F. H. Deane,	11.84	
John H. Ennis,	17.45	
F. Hamel,	38.00	
Highways and streets,	4.40	
R. A. Sherman,	2.00	
R. A. Sherman & Son,	111.93	196.92

Madison Street:		
Highways and streets,	23.23	
Kern & Wright,	15.20	
J. L. G. Mason,	20.75	
J. H. Sherman,	12.20	
R. A. Sherman & Son,	76.46	
Wood, Brightman & Co.,	7.25	155.09
Maxfield Street:		
Highways and streets,	74.25	
James W. Hindle,	3.53	
Hindle & Larkin,	74.94	
James G. Hellyer,	24.74	177.46
Middle Street:		
James B. Hazzard,	4.44	
Highways and streets,	1.99	
Chas. F. Keen,	6.70	
Mrs. B. F. Lewis,	17.76	
E. F. Penney,	4.32	
A. P. Pope,	83.28	
James L. Sherman,	15.80	
Nathan Wheaton,	164.07	298.36
North:		
Mary I. Ashley,	17.73	
Babbitt & Wood,	9.45	
Founier & Nicholson,	19.25	
N. P. Hayes,	3.73	
E. F. Morton,	216.60	
C. S. Paisler,	33.45	
S. H. Peckham,	4.40	
J. W. Spooner,	67.75	
F. P. Washburn,	53.50	425.86
Merrimac Street:		
Geo. E. Hatch,	3.50	
A. P. Pope,	144.63	
J. B. Sullivan,	25.28	
Chas. Thompson,	75.50	248.91
Parker Street:		
D. W. Allen,	139.00	
Geo. A. Bosworth,	62.91	
C. L. Dunham,	2.55	
Geo. E. Hatch,	2.10	
Highways and streets,	2.70	
Slocum & Kilburn,	8.01	

Chas. Thompson,	6.60	
Wm. R. West,	257.48	
S. S. Wilbur,	11.00	492.35
Plainville:		
William H. Caswell,	79.20	
Abner A. Howland,	1.50	
Francis Thorley,	65.95	
Nathan Wheaton,	11.56	158.21
Thompson Street:		
James B. Hazzard,	22.61	
Herman Karcher,	3.85	
Kern & Wright,	5.43	
Llewelyn Lloyd,	25.00	
J. L. G. Mason,	143.52	
Wm. Maxfield & Son,	3.15	
T. J. Moriarty,	20.34	
W. H. Nelson,	10.00	
E. F. Penney,	.55	
R. A. Sherman,	92.01	
A. C. Smith,	.95	327.41
Rockdale:		
Chas. E. Crosby,	4.05	
D. L. Hathaway & Son,	7.70	11.75
School Committee Rooms:		
F. T. Akin & Co.,	339.00	
C. S. Paisler,	21.55	
Joseph P. Riley,	335.28	
R. A. Sherman,	1,806.26	
John B. Sullivan,	705.18	
Nathan Wheaton,	283.00	3,490.27
		$14,974.74
To transfer to balance,		25.26
		$15,000.00

Cr.

By appropriation,	$7,440.00	
By special appropriation,	1,800.00	
Transfer from unappropriated funds,	5,760.00	$15,000.00

PUBLIC SCHOOLS, DOG FUND.

Dr.

Luke Allen,	$135.00	
Almy & Hitch,	18.56	
E. Anthony & Sons,	15.75	
Mary I. Ashley,	1.00	
P. Black,	4.74	
Boston Musical Instrument Manufactory,	18.00	
Coffin Bros.,	17.50	
W. H. Collins & Co.,	4.00	
C. F. Cushing,	1.25	
M. E. Donovan,	1.60	
T. M. Hart & Co.,	21.27	
Paul H. Hanns,	25.00	
W. E. Hatch,	175.00	
Wm. G. Hayden,	2.25	
High School Cadets,	15.00	
G. W. Hillman,	59.75	
Hillman, Washburn & Co.,	57.00	
Hindle & Larkin,	11.28	
Laura Howland,	37.00	
Samuel E. Miller,	50.00	
Geo. S. Perry & Co.,	75.40	
Henry T. Phillips,	85.00	
R. A. Sherman & Son,	3.95	
Allen Smith, Jr.,	39.00	
Robert W. Taber,	2.75	
A. P. White,	55.00	$932.05
December 6, 1897. To balance,		2,678.31
		$3,610.36

Cr.

January 4, 1897. By balance,	$2,287.58	
Cash receipts as per Treasurer's report,	1,322.78	$3,610.36

Cr.

December 6, 1897. By balance,	$2,678.31

PUBLIC SCHOOLS, KINDERGARTENS.

Dr.

Pay rolls:

SOUTH SCHOOL.		
Wilhelmina Humbert,	$165.00	
Josephine H. Cobb,	120.00	$285.00
HARRINGTON SCHOOL.		
Mary B. Pratt,	165.00	
Ada S. Blake,	120.00	285.00
NORTH SCHOOL.		
Anna Hill,	150.00	
Florence L. Davis,	127.44	277.44
F. T. Akin & Co.,	1.93	
Bliss & Nye,	.50	
Geo. S. Faisneau,	1.50	
J. L. Hammett Co.,	500.49	
Wm. E. Hatch,	1.50	
H. S. Hutchinson & Co.,	1.12	
Ladies City Mission,	75.00	
Geo. S. Perry & Co.,	25.00	
A. P. Pope,	3.50	
R. A. Sherman,	5.31	
St Martins Church,	90.00	705.85
		$1,553.29
December 6, 1897. To balance,		246.71
		$1,800.00

Cr.

By appropriation,	$1,800.00

Cr.

December 6, 1897. By balance,	$246.71

PUBLIC SCHOOLS, SCHOOLHOUSE CORNER DARTMOUTH STREET AND DUNBAR'S LANE, FURNITURE AND SUPPLIES.

Dr.

J. R. Barbour,	$47.00	
Bliss & Nye,	60.51	
Central Union Association,	3.20	
City Coal Co.,	33.97	
Chandler Adjustable Chair and Desk Co.,	1,259.83	
DeWolf & Vincent,	8.00	
Geo. E. Faisneau,	7.40	
C. A. Galligan,	20.00	
James B. Hazzard,	16.60	
Hillman, Washburn & Co.,	99.45	
H. S. Hutchinson & Co.,	7.32	
Kern & Wright,	7.05	
N. B. Gas & Edison Light Co.,	23.25	
Geo. S. Perry & Co.,	69.00	
A. P. Pope,	125.60	
Geo. D. Richards,	4.50	
D. J. Sullivan,	42.00	
C. F. Wing,	264.93	
T. G. Wing, agent,	25.00	
Robert W. Taber,	7.60	
R. A. Sherman & Son,	115.11	$2,247.32
December 6, 1897. To balance,		52.68
		$2,300.00

Cr.

By special appropriation,	$2,300.00

Cr.

December 6, 1897. By balance,	$52.68

PUBLIC SCHOOLS, SCHOOLHOUSE PHILLIPS AVENUE AND BOWDITCH STREET, FURNITURE AND SUPPLIES.

Dr.

Bliss & Nye,	$57.34	
T. W. Chace & Co.,	24.00	
Chandler Adjustable Chair and Desk Co.,	641.90	
City Coal Co.,	94.03	
Geo. E. Faisneau,	6.50	
Hatch & Co.,	.75	
W. E. Hatch,	69.43	
Hillman, Washburn & Co.,	47.57	
G. W. Hillman,	10.25	
N. B. Gas & Edison Light Co.,	92.45	
Geo. S. Perry & Co.,	33.00	
A. P. Pope,	125.60	
Geo. D. Richards,	11.42	
R. A. Sherman & Son,	269.36	
R. W. Taber,	14.40	
Taber Art Co.,	5.00	
Taber Prang Art Co.,	7.50	
C. F. Wing,	401.51	
T. G. Wing, agent,	20.00	
United States Furniture Co.,	538.99	
H. B. Howland,	29.00	$2,500.00

Cr.

By special appropriation,	$2,500.00

DEPARTMENT OF WHARVES.

Dr.

Charles O. Brightman,	$7.43	
W. H. Crook,	90.15	
Joseph Donaghy,	215.49	
Greene & Wood,	407.03	
James B. Hamlin,	42.00	
Highways and streets,	26.93	
Hillman, Washburn & Co.,	12.00	
John McLeod,	108.06	
N. B. Boiler & Machine Co.,	21.77	
N. B. Water Works,	64.67	
E. F. Penney,	13.50	
W. F. Potter & Co.,	1.43	
John B. Sherman,	103.44	
W. F. Sturtevant,	19.06	
R. H. Taber,	33.57	
J. C. Warren,	178.05	
J. & W. R. Wing,	4.50	$1,349.08
December 6, 1897. To balance,		3,684.40
		$5,033.48

Cr.

January 4, 1897. By balance,	$1,127.17	
By cash receipts, as per Treasurer's report,	3,906.31	$5,033.48

Cr.

December 6, 1897. By balance,	$3,684.40

ADDITION TO REPAIR SHOP, No. 4 ENGINE HOUSE.

Dr.

Frank L. Aurelio,	$80.50	
Benson & Bulman,	3,989.89	$4,070.39

Cr.

By special appropriation,	$4,070.39

SCHOOLHOUSE, BROCK AVENUE.

Dr.

General sewers,	$74.24	
C. Hammond & Son,	500.00	
N. B. Water Works,	59.51	
C. S. Paisler,	20.89	
John B. Sullivan,	22,151.54	$22,806.18
December 6, 1897. To balance,		8,185.82
		$30,992.00

Cr.

By special appropriation,	$30,992.00

Cr.

December 6, 1897. By balance,	$8,185.82

SCHOOLHOUSE BROCK AVENUE, HEATING AND VENTILATING.

Dr.

The Magee Furnace Co.,	$1,600.00	
December 6, 1897. To balance,	2,544.60	$4,144.60

Cr.

By special appropriation,	$4,144.60

Cr.

December 6, 1897. By balance,	$2,544.60

SCHOOLHOUSE, DARTMOUTH STREET AND DUNBAR'S LANE.

Dr.

Wm. S. Brown,	$263.30	
Highways and streets,	134.60	
N. B. Gas & Edison Light Co.,	6.00	
A. A. Sanborn,	3,500.00	
Sewers, general,	1.90	
Martin H. Sullivan,	13,725.72	$17,631.52
December 6, 1897. To balance,		1,945.19
		$19,576.71

Cr.

January 4, 1897. By balance,	$19,576.71

Cr.

December 6, 1897. By balance,	$1,945.19

SCHOOLHOUSE, PHILLIPS AVENUE AND BOWDITCH STREET.

Dr.

Denison Bros. Co.,	$192.50	
C. L. Dunham,	14.29	
Sewers, general,	1.96	
T. E. Mahoney,	447.73	
A. A. Sanborn,	1,088.96	
John B. Sullivan,	8,903.47	
Taylor & Donaghy,	36.33	$10,685.24

Cr.

January 4, 1897. By balance,	$9,299.76	
Transfer to balance,	1,385.48	$10,685.24

SCHOOLHOUSE, PHILLIPS AVENUE AND BOWDITCH STREET, CURBING.

Dr.

E. Anthony & Sons,	$4.20	
Mercury Pub. Co.,	4.50	
To transfer,	400.30	
December 6, 1897. To balance,	940.00	$1,349.00

Cr.

By special appropriation,	$1,349.00

Cr.

Dec. 6, 1897. By balance,	$940.00

RECEIVING TOMB, RURAL CEMETERY.

Dr.

Miller & Hook,	$802.40

Cr.

January 4, 1897. By balance,	$723.20	
Transfer from unappropriated funds,	79.20	$802.40

TEMPORARY BRIDGE BEWEEN FISH ISLAND AND POPE'S ISLAND.

Dr.

Steward & McDermott,	$9,850.00

Cr.

By special appropriation,	$9,850.00

SALARIES.

Dr.

Charles S. Ashley, Mayor,	$1,833.34
James H. Hathaway, City Treasurer and Collector of Taxes,	2,750.00
Daniel B. Leonard, City Clerk,	2,383.34
Wm. S. Cook, Assistant City Clerk,	91.67
George W. Parker, City Auditor,	1,659.65
Eliot D. Stetson, City Solicitor,	333.36
Thomas F. Desmond, City Solicitor,	875.00
Geo. A. Eggers, Sealer of Weights and Measures,	127.00
John N. O'Brien, Sealer of Weights and Measures,	207.00
Board of Assessors:	
Chas. D. Tuell,	1,283.34
Chas. H. L. Delano,	1,008.34
H. A. Gifford, Jr.,	1,008.34
Wm. A. Mackie, Clerk of Common Council,	275.00
Augustus D. Piper, City Messenger,	738.24
Othello S. Driskell, Bell Ringer,	114.59
C. E. Woodworth, Supt. City Clock,	25.00
Walter R. Townsend, Supt. City Clock,	43.75
Pardon B. Gifford, Harbor Master,	83.36
Chas. T. Cragen, Harbor Master,	175.00
Dr. D. C. Ashley, Inspector of Cattle, Meat, Milk and Provisions,	1,100.00
Edmund O'Keefe, Inspector of Buildings,	1,661.28
Daniel D. Briggs, Supervisor of Wires,	275.00
Board of Health:	
T. W. Cook,	458.71
Dr. E. E. Waite,	458.71
Wm. G. Kirschbaum,	417.05
Nathaniel Hathaway,	41.66
Board of Registrars:	
Willard N. Lane,	366.67
John A. Gomley,	275.00
E. A. Douglass,	275.00
Daniel B. Leonard,	275.00
Board of Aldermen:	
Henry P. Jenney,	91.67
Samuel C. Hunt,	91.67
M. V. Sylvia,	91.67

Geo. A. Hough,	91.67	
Henry C. Denison,	91.67	
Samuel E. Bentley,	91.67	
License Commission:		
John J. Howland,	230.71	
Frank M. Sparrow,	230.71	
Benj. B. Barney,	230.71	
Alfred Thornton,	30.00	
John W. Bannister,	44.29	
Stephen D. Peirce	44.29	
Chas. T. Luce,	14.29	$21,994.42
To transfer to balance,		1,970.58
		$23,965.00

Cr.

By appropriation,	$23,965.00

SEWERS, GENERAL ACCOUNT.

Dr.

Pay rolls,	$12,860.02
Acushnet Iron Co.,	303.04
F. T. Akin & Co.,	2.03
Edwin Allen,	.75
James T. Bonney,	2.74
F. S. Brightman,	1.65
City Coal Co.,	66.50
Dr. Edward W. Dehn,	17.50
Department of Wharves,	15.75
DeWolf & Vincent,	104.17
James Duddy,	.75
C. L. Dunham,	1.95
Edson Manf'g. Co.,	142.15
Fairhaven Iron Foundry Co.,	103.20
Fichtenmeyer & Flynn,	3.30
Chas. A. Gray,	77.30
Chas. A. Gray, Jr.,	147.65
Jenny Handrich,	4.93
T. M. Hart & Co.,	7.92
Hatch & Co.,	4.05
Elizabeth H. Hatch,	1.41
L. J. Hathaway,	10.00
M. A. Hickey,	.83
Highways and streets,	2,339.47
Hillman, Washburn & Co.,	4.50
Ingersoll-Sergeant Co.,	296.38
P. P. Jenney & Son,	1.25
Johnson & Howland,	3.90
Chas. L. Kenyon,	30.76
H. W. Kenyon,	24.90
S. C. Lowe,	181.60
Geo. W. Maker & Co.,	2.88
George Markey,	2.60
John McCullough,	78.20
T. J. Moriarty,	1.60
N. B. Boiler & Machine Co.,	5.52
N. B. Cordage Co.,	24.93
N. B. Rubber Co.,	46.44
N. B. Water Works,	86.50
N. Y., N. H. & Hartford Railroad Co.,	3.03
S. S. Paine & Bro.,	1,906.49

C. S. Paisler,	3,357.05	
A. W. Perkins & Co.,	5.82	
E. H. Pierce,	161.75	
C. G. & G. A. Randall,	89.20	
Revere Rubber Co.,	18.60	
F. L. Sowle & Co.,	31.25	
Dr. M. V. Sylvia,	26.00	
Chas. G. Taber,	2.35	
Robert W. Taber,	8.55	
E. & K. C. Terry,	1.70	
Frank S. Tripp,	13.84	
Wm. R. West,	9.50	
W. H. Wilkinson & Co.,	3.40	
Wood, Brightman & Co.,	94.96	$22,744.51

Cr.

By appropriation,	$12,000.00	
Transfer from unappropriated funds,	8,066.79	
Transfer to balance,	2,677.72	$22,744.51

SEWER, ADAMS STREET.

Dr.

Pay rolls,	$604.71	
General sewers,	166.31	
Highways and streets,	68.43	
P. P. Jenney & Son,	.25	$839.70
To transfer to balance,		660.30
		$1,500.00

Cr.

By special appropriation,	$1,500.00

SEWER, ASHLEY STREET.

Dr.

Pay rolls,	$398.48	
General sewers,	92.56	
Greene & Wood,	8.41	
Highways and streets,	44.54	$543.99

Cr.

By special appropriation,	$501.00	
Transfer to balance,	42.99	$543.99

SEWER, BELLEVILLE AVENUE No. 8.

Dr.

Pay rolls,	$15.93	
F. T. Akin & Co.,	10.08	
General sewers,	74.52	
Highways and streets,	18.46	$118.99
To transfer to sewer, Bullard strreet, No. 3,		16.69
Transfer to balance,		153.12
		$288.80

Cr.

January 4, 1897. By balance,	$288.80

SEWER, BENTLEY STREET.

Dr.

Pay rolls,	$100.80	
General sewers,	102.23	
Highways and streets,	9.03	$212.06
To transfer to balance,		527.94
		$740.00

Cr.

By special appropriation,	$740.00

SEWER, BOURNE STREET, NO. 2.

Dr.

Pay rolls,	$184.51	
General sewers,	70.52	
Highways and streets,	27.15	$282.18
To transfer to balance,		318.82
		$601.00

Cr.

By special appropriation,	$601.00

SEWER, BULLARD STREET, No. 3.

Dr.

Pay rolls,	$108.35	
General sewers,	180.75	
Chas. A. Gray,	1.75	
Highways and streets,	59.47	$350.32

Cr.

January 4, 1897. By balance,	$300.00	
Transfer from unappropriated funds,	33.63	
Transfer from sewer Belleville Avenue, No. 8,	16.69	$350.32

SEWER, BUTLER STREET, No. 2.

Dr.

Pay rolls,	$1,015.86	
General sewers,	395.79	
Highways and streets,	79.18	$1,490.83
To transfer to balance,		509.17
		$2,000.00

Cr.

By special appropriation,	$2,000.00

SEWER, CHANCERY STREET, No. 5.

Dr.

Pay rolls,	$286.45	
General sewers,	114.80	
Highways and streets,	33.88	
Wood, Brightman & Co.,	2.19	$437.32
To transfer to balance,		162.68
		$600.00

Cr.

By special appropriation,	$600.00

SEWER, CHANCERY STREET, No. 6.

Dr.

Pay rolls,	$40.10	
General sewers,	16.07	
Highways and streets,	3.00	$59.17
To transfer to balance,		40.83
		$100.00

Cr.

By special appropriation,	$100.00

SEWER, CLINTON STREET, LOWERING.

Dr.

Pay rolls,	$192.05	
General sewers,	8.77	
Highways and streets,	32.53	$233.35
To transfer to balance,		66.65
		$300.00

Cr.

By special appropriation,	$300.00

SEWER, CLINTON STREET, NO. 3.

DR.

Pay rolls,	$138.74	
December 6, 1897. To balance,	461.26	$600.00

CR.

By special appropriation,	$600.00

CR.

December 6, 1897. By balance,	$461.26

SEWER, EAST FRENCH AVENUE.

DR.

Pay rolls,	$297.60	
General sewers,	301.50	
Highways and streets,	45.87	
S. S. Paine & Bro.,	12.46	$657.43
To transfer to balance,		392.57
		$1,050.00

CR.

By special appropriation,	$1,050.00

SEWER, ELM AND REED STREETS.

DR.

Pay rolls,	$748.11	
General sewers,	243.04	
Highways and streets,	64.12	$1,055.27
To transfer to balance,		194.73
		$1,250.00

CR.

By special appropriation,	$1,250.00

SEWER, FOURTH STREET, No. 4.

Dr.

To transfer to balance,	$54.71

Cr.

January 4, 1897. By balance,	$54.71

SEWER, GRIT STREET.

Dr.

Pay rolls,	$97.92	
General sewers,	52.92	
Highways and streets,	4.20	
S. S. Paine & Bro.,	7.97	
C. S. Paisler,	9.08	$172.09
December 6, 1897. To balance,		27.91
		$200.00

Cr.

By special appropriation,	$200.00

Cr.

December 6, 1897. By balance,	$27.91

SEWER, HAZARD STREET, No. 2.

Dr.

Pay roll,	$47.25	
December 6, 1897. To balance,	52.75	$100.00

Cr.

By special appropriation,	$100.00

Cr.

December 6, 1897. By balance,	$52.75

SEWER, HOLLY AND BOWDITCH STREETS.

Dr.

Pay rolls,	$2,016.53	
City Coal Co.,	57.07	
General sewers,	501.70	
Chas. A. Gray,	106.12	
Highways and streets,	366.87	
E. & K. C. Terry,	32.41	$3,080.70
To transfer to sewer, Howland street, No. 3,		1,000.00
To transfer to balance,		1,069.30
		$5,150.00

Cr.

By special appropriation,	$4,350.00	
Transfer from unappropriated funds,	800.00	$5,150.00

SEWER, HOWLAND STREET, No. 3.

Dr.

Pay rolls,	$1,504.10	
Babbitt, Wood & Co.,	9.75	
T. S. Corson,	18.07	
Denison, Plummer & Co.,	16.80	
DeWolf & Vincent,	4.00	
Garfield & Proctor Coal Co.,	11.58	
General sewers,	297.50	
Greene & Wood,	29.03	
Jona. Handy & Co.,	6.57	
N. P. Hayes,	6.10	
Highways and streets,	548.60	
Hillman, Washburn & Co.,	12.10	
P. P. Jenney & Son,	1.25	
John McCullough,	22.30	
S. S. Paine & Bro.,	460.13	
A. W. Perkins & Co.,	35.24	
E. H. Pierce,	2.00	
C. G. & G. A. Randall,	429.28	
J. H. Sherman,	2.13	
Stewart & McDermott,	573.19	
Wilson & Wordell,	16.00	$4,005.72
To transfer to balance,		89.56
		$4,095.28

Cr.

January 4, 1897. By balance,	$3,095.28	
Transfer from sewer Holly and Bowditch streets,	1,000.00	$4,095.28

SEWER, MERRIMAC STREET, No. 4.

DR.

Pay roll,	$142.70	
General sewers,	80.96	
Highways and streets,	23.63	$247.29
To transfer to balance,		152.71
		$400.00

CR.

By special appropriation,	$400.00

SEWER, MT. PLEASANT STREET, No. 2.

DR.

Pay rolls,	$182.82	
General sewers,	95.80	
Highways and streets,	24.20	$302.82
To transfer to balance,		197.18
		$500.00

CR.

By special appropriation,	$500.00

SEWER, MYRTLE STREET, No. 3.

DR.

Pay rolls,	$44.00	
General sewers,	40.47	
Highways and streets,	4.88	$89.35
To transfer to balance,		110.65
		$200.00

CR.

By special appropriation,	$200.00

SEWER, ORCHARD STREET, No. 6.

Dr.

Pay rolls,	$193.60	
General sewers,	87.81	
Highways and streets,	30.24	$311.65
To transfer to balance,		138.35
		$450.00

Cr.

By special appropriation,	$450.00

SEWER, PIERCE STREET, No. 2.

Dr.

Pay rolls,	$97.20	
General sewers,	107.96	
Highways and streets,	10.35	$215.51
To transfer to balance,		159.49
		$375.00

Cr.

By special appropriation,	$375.00

SEWER, PLEASANT STREET, No. 3.

Dr.

General sewers,	$643.16	
Highways and streets,	26.76	$669.92
To transfer to balance,		330.08
		$1,000.00

Cr.

By special appropriation,	$1,000.00

SEWER, PROSPECT STREET, NO. 3.

Dr.

Pay rolls,	$3,757.81	
Wm. Baylies,	1.28	
Denison Plummer Co.,	3.20	
General sewers,	514.34	
Greene & Wood,	65.24	
Highways and streets,	276.20	
P. P. Jenney,	.50	
S. S. Paine & Bro.,	47.12	
C. S. Paisler,	834.36	$5,500.05

Cr.

By special appropriation,	$4,500.00	
Cash receipts, as per Treasurer's report,	1.80	
Transfer to balance,	998.25	$5,500.05

SEWER, SAWYER STREET, No. 3.

DR.

Pay rolls,	$1,229.53	
Garfield & Proctor Coal Co.,	15.77	
Chas. A. Gray, Jr.,	52.75	
General sewers,	176.13	
Highways and streets,	172.06	
E. & K. C. Terry,	54.52	$1,700.76
To transfer to balance,		99.24
		$1,800.00

CR.

By special appropriation,	$1,800.00

SEWER, SECOND STREET, No. 12.

DR.

Pay rolls,	$172.41	
General sewers,	129.83	
Highways and streets,	27.60	$329.84
To transfer to balance,		70.16
		$400.00

CR.

By special appropriation,	$400.00

SEWER, SHAWMUT AVENUE, No. 5.

DR.

Pay rolls,	$257.90	
General sewers,	120.15	
Highways and streets,	31.56	$409.61
To transfer to balance,		340.39
		$750.00

CR.

By special appropriation,	$750.00

SEWER, STOWELL STREET.

Dr.

Pay rolls,	$513.00	
General sewers,	221.35	
Greene & Wood,	16.88	
Highways and streets,	51.79	$803.02
To transfer to balance,		396.98
		$1,200.00

Cr.

By special appropriation,	$1,200.00

SEWER, SUMMER STREET, No. 2.

Dr.

Pay rolls,	$74.25	
General sewers,	43.06	
Highways and streets,	4.12	$121.43
To transfer to balance,		78.57
		$200.00

Cr.

By special special appropriation,	$200.00

SEWER, TALLMAN STREET.

Dr.

Pay rolls,		$190.20	
December 6, 1897.	To balance,	1,809.80	$2,000.00

Cr.

By special appropriation,		$2,000.00

Cr.

December 6, 1897.	By balance,	$1,809.80

SEWER, WAMSUTTA AND MERRIMAC STREETS.

Dr.

Pay rolls,	$3,500.98	
Babbitt, Wood & Co.,	.54	
Wm. Baylies,	.88	
Peter Crapo,	24.00	
DeWolf & Vincent,	4.00	
David Duff & Son,	24.79	
Garfield & Proctor Coal Co.,	12.39	
General sewers,	218.13	
Greene & Wood,	96.38	
Highways and streets,	638.87	
Hillman, Washburn & Co.,	4.80	
P. P. Jenney,	1.60	
S. C. Lowe,	2.56	
N. Y. N. H. & Hartford Railroad Co.,	38.00	
S. S. Paine & Bro.,	1,894.52	
C. S. Paisler,	14.75	
A. W. Perkins & Co.,	99.87	
C. G. & G. A. Randall,	291.23	
Abiatha Rogers,	6.55	
John B. Sullivan,	208.35	
E. & K. C. Terry,	4.93	
Wamsutta Mills,	300.00	
Wilson & Wordell,	16.00	$7,404.12

Cr.

By special appropriation,	$7,000.00	
Transfer to balance,	404.12	$7,404.12

PUBLIC DEBT.

Dr.

Principal (bonds) paid,	$65,000.00	
Interest on bonds,	127,968.50	
Interest on trust funds,	3,393.00	
Interest on notes,	11,245.63	$207,607.13
To transfer to balance,		2,392.87
		$210,000.00

Cr.

By appropriation,	$145,000.00	
Cash receipts, as per Treasurer's report,	65,000.00	$210,000.00

REAL ESTATE TAX ACCOUNT.

Dr.

January 4, 1897. To balance,	$952.79

Cr.

By cash receipts, as per Treasurer's report,	$253.29	
December 6, 1897. To balance,	699.50	$925.79

Dr.

December 6, 1897. To balance,	$699.50

SINKING FUNDS.

Dr.

Sinking Fund Commission,	$73,860.00

Cr.

By appropriation,	$72,820.00	
Transfer from unappropriated funds,	1,040.00	$73,860.00

TEMPORARY LOAN.

Dr.

To loans paid,	$920,105.00

Cr.

January 4, 1897. By balance,	$520,105.00	
Cash receipts, as per Treasurer's report,	400,000.00	$920,105.00

TRUST FUNDS.

Cr.

By Sylvia Ann Howland Free Public Library Fund:	
One-half of the bequest of Sylvia Ann Howland for the support of liberal education and Free Public Library,	$50,000.00
By Sylvia Ann Howland Educational Fund:	
One-half of the bequest of Sylvia Ann Howland for the support of liberal education and Free Public Library,	50,000.00
By George Howland, Jr., Fund:	
Donation to Free Public Library,	1,600.00
By Charles W. Morgan Fund:	
Bequest to Free Public Library,	1,000.00
By Oliver Crocker Fund:	
Bequest to Free Public Library,	1,000.00
By James B. Congdon Fund:	
Donation to Free Public Library,	500.00
By Jonathan Bourne Prize Fund:	
Donation to School Committee,	1,000.00
By George O. Crocker Fund:	
Bequest to Free Public Library,	10,000.00
By Elizabeth T. Wood:	
Bequest to Free Public Library,	2,000.00
	$117,100.00

UNAPPROPRIATED FUNDS.

Dr.

To transfers to—		
Appropriations, general, 1897,	$50,000.00	
" " 1892,	8,142.28	
" " 1891,	2,073.78	
" special, 1897,	27,577.00	
" " 1896,	54,629.86	
Armories and military property,	500.00	
Board of Assessors,	2,000.00	
Cemeteries,	4,000.00	
City property,	5,500.00	
Election funds,	5,500.00	
Engineering department,	1,300.00	
Engineering department, grade crossing,	1,500.00	
Fire department,	14,000.00	
Fire department, underground wires,	1,000.00	
Free Public Library,	2,500.00	
Highways and streets,	20,000.00	
Incidentals,	1,750.00	
License commission,	200.00	
Lighting the streets,	4,250.00	
Police department,	20,000.00	
Poor department,	10,000.00	
Public schools, incidentals,	12,200.00	
Public schools, pay of teachers,	22,000.00	
Public schools, repairs of buildings,	5,760.00	
Receiving tomb, Rural cemetery,	79.20	
Sewers, general,	8,066.79	
Sewers, Bullard street, No. 3,	33.63	
Sewers, Holly and Bowditch streets,	800.00	
Sinking funds,	1,040.00	$286,402.54

Cr.

By cash receipts, as per Treasurer's report,	$221,299.96
Balance of transfers,	65,102.58
	$286,402.54

BALANCE OF PUBLIC PROPERTY.

DR.

To bonds issued,	$1,021,000.00	
December 6, 1897. To balance,	219,926.33	$1,240,926.33

CR.

January 4, 1897. By balance,	$1,001,466.46	
Bonds paid,	65,000.00	
Public property,	108,426.03	
Sinking Fund Commissioners,	66,033.84	$1,240,926.33

CR.

December 6, 1897. By balance,	$219,926.33

PUBLIC PROPERTY.

(OTHER THAN WATER WORKS.)

DR.

Dec. 6, 1897. To balance,	$1,890,291.65	
Increase in valuation over 1896,	108,426.03	$1,998,717.68

NEW BEDFORD WATER WORKS.

(AS PUBLIC PROPERTY.)

DR.

December 6, 1897. To valuation of works,	$1,200,000.00

SINKING FUND COMMISSIONERS.

Dr.

January 4, 1897.	To balance,	$463,174.81	
Increase in hands of Commissioners since 1896,		66,033.84	$529,208.65

BONDS.

Dr.

To bonds paid,		$65,000.00	
December 6, 1897.	To balance,	3,408,000.00	$3,473,000.00

Cr.

January 4, 1897.	By balance,	$2,452,000.00	
By bonds issued,		1,021.000.00	$3,473,000.00

Cr.

December 6, 1897.	By balance,	$3,408,000.00

BONDS OF THE CITY OF NEW BEDFORD.

TITLES, RATES, AMOUNTS DUE ANNUALLY, AND TOTALS.

Due.	Water 7s.	Water 6s.	Water 5s.	Water 4s.	Improvem't 6s.	Improvem't 4s.	Schoolhouse and other public buildings.	Sewer 4s.	Sewer 3½s.	Park Loan 4s.	Wharf.
1898		$20,000			$11,000	$15,000					
1899		20,000			10,000	62,000					
1900	$10,000		$20,000		10,000	25,000					
1901	10,000		20,000		10,000	73,000					
1902	10,000		20,000		10,000	50,000					
1903	10,000		20,000		10,000	162,000					
1904	10,000		20,000		10,000	113,000					
1905	10,000	20,000			10,000						
1906	10,000	20,000			10,000				$60,000		
1907	10,000	20,000			10,000	172,000			15,000		
1908	10,000	20,000			10,000			35,000			
1909	10,000	20,000			12,000			43,000			
1910					28,000			48,000			
1911								57,000			
1912								100,000			
1913								108,000			
1914								32,000			
1917							$128,000				
1918				$20,000							
1924				320,000							
1925								58,000			
1926				400,000							
1927				600,000				$69,000			$52,000
1942										$100,000	
	$100,000	$140,000	$100,000	$1,340,000	$151,000	$672,000	$128,000	$550,000	$75,000	$100,000	$52,000

Total Bonded Debt, $3,408,000.00.

INTEREST PAYABLE IN 1898 ON PRESENT DEBT.

On $100,000	Water bonds, at 7 per cent.,	$7,000
140,000	" " 6 "	8,400
100,000	" " 5 "	5,000
1,340,000	" " 4 "	53,600
151,000	Improvements, at 6 per cent.,	9,060
672,000	" 4 "	26,880
128,000	Schoolhouse, etc., at 4 per cent.,	5,120
550,000	Sewer bonds, at 4 per cent.,	22,000
75,000	" " 3½ "	2,625
100,000	Park loan, at 4 per cent.,	4,000
52,000	Wharf bonds, at 4 per cent.,	2,080
$3,408,000		$145,765

THE FOLLOWING TABLE SHOWS THE AMOUNT OF TAXES LEVIED IN THIS CITY SINCE 1878, AND THE RATE PER THOUSAND, FOR STATE, COUNTY, AND CITY PURPOSES; ALSO, THE NUMBER OF POLLS.

Year.	Valuation of Real Estate.	Valuation of Personal Property.	State Tax.	County Tax.	City Tax.	Overlay.	No. of Polls.	Rate of Tax.
1878	$12,808,700	$13,137,011.20	$14,580	$25,249.76	$371,500	$17,259.61	6,729	$16.00
1879	12,898,300	12,874,418.00	7,290	25,666.72	386,000	17,497.36	6,891	16.40
1880	13,138,400	13,137,519.00	21,870	28,377.03	361,250	15,080.89	7,028	15.70
1881	13,505,400	13,699,922.00	21,870	26,871.30	437,300	16,084.49	7,025	18.00
1882	14,138,300	13,974,587.00	29,160	25,689.88	434,200	17,605.64	7,340	17.50
1883	15,109,300	15,180,305.00	25,770	29,468.95	452,400	16,614.41	7,694	16.80
1884	15,635,900	15,718,182.00	34,360	26,668.72	462,700	13,031.04	8,141	16.60
1885	16,293,800	15,104,090.00	27,770	27,735.50	457,950	17,028.11	8,349	16.30
1886	16,778,900	15,416,695.50	27,015	33,883.77	456,300	15,328.18	8,699	16.00
1887	17,372,600	15,309,658.00	40,522½	38,485.28	489,700	18,075.50	9,056	17.40
1888	18,023,700	15,430,647.00	40,522½	41,274.10	486,411	19,364.29	9,424	17.00
1889	18,928,800	15,718,866.00	34,700	51,476.17	508,600	17,642.91	9,972	17.10
1890	20,041,700	16,829,154.00	30,362½	50,632.30	519,300	22,120.12	10,710	16.30
1891	20,959,300	14,970,600.00	26,025	47,819.40	550,200	26,134.37	11,160	16 30
1892	22,094,300	18,179,813.00	31,377	51,410.26	606,700	27,976.39	11,861	17.30
1893	25,344,300	19,130,798.00	44,825	57,699.11	673,689	28,077.05	12,988	17.50
1894	31,835,500	19,599,425.00	35,860	67,796.46	699,176	25,711.57	13,080	15.60
1895	31,984,150	20,658,600.00	30,915	78,760.33	698,545	31,077.76	14,300	15.40
1896	33,920,700	22,360,417.00	36,067½	85,061.14	745,800	30,750.56	15,475	15.40
1897	35,595,800	22,575,978.00	36,067½	63,008.25	840,239	34,002.38	15,467	16.20

Average tax rate for twenty years, 16.54.

CITY OF NEW BEDFORD,
IN COMMITTEE, MAY 18, 1898.

The sub-committee appointed to appraise the city property and prepare a schedule of the same, have attended to that duty and submit the following report:

Poor department:		
Almshouse out buildings and 12,407 rods of land,	$98,035.00	
Furniture in almshouse,	2,750.00	
Farming and mechanics tools,	450.00	
Tedders, horse rakes, manure spreader, etc.,	270.00	
Carts, gears, lumber wagons, etc.,	1,600.00	
Ambulance,	200.00	
Horses, oxen, cows, hogs and poultry,	1,530.00	
Hay, grain, vegetables, pork, etc.,	2,250.00	
Wood and coal shed, corner North and Second streets,	3,000.00	
Wood and coal in shed,	75.00	$110,160.00
Board of health:		
Smallpox hospital,	1,000.00	
Old almshouse and out buildings,	1,500.00	
Furniture in hospital,	70.00	2,570.00
Highway and streets department:		
Sundries, as per inventory,		37,253.50
Sewer department:		
Sundries, as per inventory,		10,691.08
Engineering department:		
Sundries, as per inventory,		2,200.00
Street light department:		
Gas and naptha lamp posts,		5,450,00
Tools for inspector of petroleum,		50.00
Public buildings. land. etc.:		
City hall and lot,	141,466.00	
City library building and lot,	131,839.00	
City common,	85,000.00	
Rural cemetery,	130,267.00	
Oak Grove cemetery,	40,831.00	
Pine Grove cemetery,	800.00	
Central police station and lot,	15,700.00	
Police station and lot, Kempton and Cedar streets,	8,300.00	

Police station and lot, Willis st.,	3,043.00	
Police station, Mill street,	300.00	
Police station and lot, Water and Blackmer streets,	13,504.00	
Police station and lot, Bowditch and Weld streets,	12,158.00	
Police signal barn and lot,	4,368.00	
Police telegraph signal system, including horses, wagons and apparatus,	9,550.00	
Land on Clark's point,	4,191.00	
Volumes in city library,	57,000.00	
South pound lot,	800.00	
Ward house and lot, Fifth ward,	1,400.00	
Ward house and lot, Sixth ward,	2,450.00	
Standard weights and measures,	300.00	
Two brass field pieces,	1,300.00	
City stable, lot and buildings,	45,400.00	
Brooklawn park,	31,450.00	
Buttonwood park,	32,655.00	
Grove park,	8,826.00	
Triangle park,	600.00	
Rifle range, Tarkiln Hill,	2,000.00	
Building and lot corner, High and Foster streets,	2,000.00	
Receiving tomb, Rural cemetery,	5,267.26	
Ward room and lot corner, Briggs and Rivet streets,	2,350.00	
Schoolhouse lot, Shawmut avenue and Maitland street,	2,956.84	798,072.10
School department:		
Acushnet schoolhouse and lot,	7,500.00	
Acushnet avenue schoolhouse and lot,	49,966.00	
Cannonville " "	1,665.00	
Cedar street " "	7,063.00	
Cedar Grove street " "	35,932.00	
Brock avenue " "	26,806.00	
Clark street " "	37,847.00	
Dartmouth street " "	17,106.00	
Dunbar street " "	40,247.00	
Fifth street " "	35,898.00	
High street " "	113,388.00	
Kempton street " "	65,100.00	
Linden street " "	2,684.00	
Madison street " "	60,089.00	
Maxfield street " "	25,068.00	

Merrimac street schoolhouse and lot,	18,113.00	
Middle street " "	35,035.00	
North, Tobey road " "	2,000.00	
Parker street " "	50,226.00	
Phillips avenue and Bowditch street schoolhouse and lot,	39,500.00	
Plainville schoolhouse and lot,	1,000.00	
Rockdale " "	1,254.00	
William street " "	5,191.00	
Thompson " " "	37,800.00	
Harrington " "	54,503.00	
Division street schoolhouse and lot,	33,875.00	
Truant schoolhouse,	1,500.00	806,356.00

Fire department:		
Engine house and lot, Acushnet avenue,	1,000.00	
" " " " " and Davis street,	26,410.00	
Engine house and lot, Hillman street,	33,570.00	
" " " Purchase street, No. 1,	13,590.00	
" " " " " " 2,	21,220.00	
" " " Fourth street,	13,000.00	
" " " Bedford street,	16,009.00	
" " " Durfee street,	16,966.00	
Steam fire engine, No. 1,	3,000.00	
" " " No. 2,	3,000.00	
" " " No. 4,	3,000.00	
" " " No. 5,	3,500.00	
" " " No. 6,	3,000.00	
" " " No. 7,	3,300.00	
" " " No. 8,	3,500.00	
" " " Spare,	3,500.00	
Chemical wagon,	1,750.00	
Nine hose carriages,	3,800.00	
Hand engine No. 9,	500.00	
Hayes truck No. 1,	3,200.00	
" " No. 2,	3,000.00	
" " No. 3,	3,000.00	
Ryan truck,	1,200.00	
Eighteen thousand feet of hose,	9,000.00	
Forty-three horses and harnesses,	8,600.00	
Ten wagons,	3,000.00	
Fire alarm telegraph including bells, strikers, etc.,	20,000.00	
Sundries,	2,500.00	227,115.00

Department of wharves:		
Rotch's wharf,	22,000.00	
Taber's wharf,	30,000.00	52,000.00
		$2,051,917.68
New Bedford Water Works,		1,200,000.00
		$3,251,917.68

RECAPITULATION.

Poor department,	$110,160.00	
Board of Health,	2,570.00	
Highways and streets department,	37,253.50	
Sewer department,	10,691.08	
Engineering department,	2,200.00	
Street light department,	5,500.00	
Public buildings, land etc.,	798,072.10	
School department,	806,356.00	
Fire department,	227,115.00	
Department of wharves,	52,000.00	
New Bedford Water Works,	1,200,000.00	
		$3,251.917.68

Respectfully submitted,

J. L. G. MASON,
C. L. DUNHAM,
ERNEST FINDEISEN,
Committee.

AUDITOR'S TRIAL BALANCE.

DECEMBER 6, 1897.

Dr.

New Bedford Water Works as public property,			$1,200,000.00
Public property other than water works,			1,998,717.68
Sinking Fund Commissioners,			529,208.65
Appropriations general,	1897,		44,850.88
" "	1896,		33,289.00
" "	1895,		17,503.48
" "	1894,		21,658.25
" "	1893,		14,853.17
" special,	1897,		198,919.94
Commonwealth of Mass.,	chap. 62,		105.00
" " "	279, of 1894,		1,063.61
" " "	279, of 1896,		315.00
" " "	301,		9,436.17
Real estate tax account,			699.50
City Treasurer, balance of cash,			144,252.41
			$4,214,872.74

Cr.

Trust funds,	$117,100.00
Bonds,	3,408,000.00
Balance of public property,	219,926.33
Cemeteries, sale of lots,	1,887.09
Cemetery funds,	26,734.93
Almshouse changes and alterations,	12,991.81
Police station, Kempton and Cedar streets,	11,759.99
Engineering department, grade crossings,	978.29
Fire department, underground wires,	350.88
Free Public Library, Dog fund,	163.33
" " Reading room,	2,005.87
Free Public Library Trustees:	
James B. Congdon fund,	43.91
George O. Crocker fund,	13.58
Oliver Crocker fund,	13.65
George Howland, Jr. fund,	191.23
Sylvia Ann Howland fund,	911.43
Chas. W. Morgan fund,	85.61
Chas. L. Wood fund,	68.05

Semi-Centennial fund,	31.73	
Textile school,	25,000.00	
N. B. School Committee, Howland fund,	406.04	
N. B. Water Works,	39,512.84	
" " further water supply,	323,666.42	
Public Schools, dog fund,	2,678.31	
" kindergartens,	246.71	
" Dartmouth and Dunbar st. furniture,	52.68	
Department of wharves,	3,684.40	
Schoolhouse, Brock avenue,	8,185.82	
" " heating and ventilating,	2,544.60	
" Dartmouth and Dunbar sts.,	1,945.19	
" Phillips avenue,	400.30	
" " curbing,	940.00	
Sewer, Clinton st. No. 3,	461.26	
" Grit st.,	27.91	
" Hazard st.,	52.75	
" Tallman st.,	1,809.80	
		$4,214,872.74

We have examined the foregoing and find it correct.

CHARLES H. LAWTON,
ROBERT L. BAYLIES.

Sub-committee of the Committee on Finance, appointed to examine the books and accounts of the Auditor and Treasurer.

Approved:

HENRY P. JENNEY,
MANUEL V. SYLVIA,
SAMUEL HIGHAM,
W. E. SMITH,
EDW. F. PENNEY.

Committee of Audit.

ANNUAL REPORT

OF THE

COLLECTOR OF TAXES

FOR THE YEAR 1897.

STATEMENT

OF THE

COLLECTOR OF TAXES.

CITY OF NEW BEDFORD,
COLLECTOR'S OFFICE,
December 6, 1897.

To the City Council of the City of New Bedford.

GENTLEMEN:—Herewith I present to you a statement of my account as Collector of Taxes of the City of New Bedford for the year ending at this date.

STATEMENT FROM 1893 TO 1896, INCLUSIVE.

YEAR.	UNPAID JAN. 4, 1897.	PAID AND REMITTED.	UNPAID DEC. 6, 1897.
1893	$12,182.66	$12,182.66	
1894	13,322.94	28.60	$13.294.34
1895	23,265.29	7,126.52	16,138.77
1896	43,440.66	13,807.10	29,633.56
	$92,211.55	$33,144.88	$59,066.67

TAXES FOR 1897.

CHARGES.

State tax,	$36,067.50	
County tax,	63,008.25	
City tax,	840,239.00	
Overlay,	34,002.38	$973,317.13

PAYMENTS.

Paid State Treasurer, State tax,	$36,067.50	
Paid County Treasurer, County tax,	63,008.25	
Paid City Treasurer, City tax,	775,388.12	
Abatements by the Assessors,	9,536.40	
Discount, 5 per cent.,	45,456.11	
Balance, taxes unpaid Dec. 6, 1897,	43,860.75	$973,317.13

The receipts under the discount of five per cent. from September 15, to October 20, were as follows:

Gross receipts, other than bank taxes,	$869,619.70	
Gross receipts, bank taxes,	69,676.20	$939,295.90
Discount, 5 per cent.,		46,964.79
		$892,331.11
National Bank of Commerce, tax paid without discount, paid under protest,		11,931.30
Net receipts during time for discount,		$904,262.41

The receipts in 1897 for corporation and other taxes from the Commonwealth of Massachusetts, were as follows:—

Corporation taxes 1897,	$51,445.18	
Corporation taxes of 1896,	896.33	
National bank taxes, non-resident shares,	2,857.75	
Tax on ships in foreign trade,	829.14	$56,028.40

The latter named sum, $56,028.40, was disposed of in the following manner, viz.:—$20,000, applied, by order of the City Council, to the discount on taxes of 1897, and the balance, $36,028.40 placed to the credit of unappropriated funds, as shown by the Treasurer's report which follows.

Respectfully submitted,

JAMES H. HATHAWAY,
Collector of Taxes.

ANNUAL REPORT

OF THE

CITY TREASURER

FOR THE YEAR 1897.

REPORT.

City of New Bedford,
Treasurer's Office,
December 6, 1897.

To the City Council of the City of New Bedford.

Gentlemen:—As required by the Ordinances of the City, I hereby present a statement of my accounts as City Treasurer for the financial year ending at this date.

Very respectfully,
JAMES H. HATHAWAY,
City Treasurer.

RECEIPTS.

INCLUDING BALANCE, JANUARY 4, 1897.

Balance,		$396,379.93

APPROPRIATIONS GENERAL, 1897.

From Collector, taxes under discount,	$765,129.03	
From Collector, taxes since October 20th,	10,259.09	
From State Treasurer, part of corporation tax, for discount,	20,000.00	795,388.12

APPROPRIATIONS GENERAL, 1896.

Fram Collector, taxes of 1896,	13,807.10

APPROPRIATIONS GENERAL, 1895.

From Collector, taxes of 1895,	7,123.52

APPROPRIATIONS GENERAL, 1894.

From Collector, taxes of 1894,	28.60

APPROPRIATIONS GENERAL, 1893.

From Collector, taxes of 1893,	16.55

APPROPRIATIONS SPECIAL, 1894, FURTHER WATER SUPPLY.

From sale of water bonds, payable January 1, 1927, 4s,	200,000.00

APPROPRIATIONS SPECIAL, 1895.

Sale of municipal bonds,	222,017.45

APPROPRIATIONS SPECIAL, 1896.

Sale of municipal bonds,	$146,982.55	
Sale of Wharf Bonds,	52,000.00	198,982.55

BOARD OF HEALTH.

New Bedford Tow Boat Co., second audit,	5.00

CEMETERIES—CARE OF LOTS.

Received from sundry sources as follows:—

Griffin street ground,	$5.00	
Oak Grove Cemetery,	2,561.18	
Pine Grove cemetery,	78.50	
Rural cemetery,	3,278.06	$5,922.74

Received for permanent care as follows:—

Friends ground,	$18.25		
Oak Grove cemetery,	511.95		
Peckham West ground,	3.00		
Pine Grove cemetery,	13.62		
Rural cemetery,	775.42	1,322.24	7,244.98

CEMETERIES—SALE OF LOTS.

Received from sundry persons, as follows:

Oak Grove cemetery,	$1,190.00	
Pine Grove cemetery,	185.00	
Rural cemetery,	3,355.00	4,730.00

CITY PROPERTY.

S. C. Lowe, Almshouse, second audit,	12.90

COMMONWEALTH OF MASSACHUSETTS—CHAPTER 279.

From State Treasurer, one-half of disbursements 1896,	1,261.00

COMMONWEALTH OF MASSACHUSETTS—CHAPTER 301.

From State Treasurer, disbursements in 1896,	9,371.50

COMMONWEALTH OF MASSACHUSETTS—CHAPTER 62, 1896.

From State Treasurer, for burial of soldiers and sailors,	490.00

ENGINEERING DEPARTMENT.

Charles R. Sherman & Son, second audit,	$.50	
N. S. Rounsville, second audit,	.62	1.12

FIRE DEPARTMENT.

Henry T. Corson, second audit,	$1.95	
H. S. Pence, second audit,	52.50	
Taylor & Donaghy, second audit,	5.73	60.18

FREE PUBLIC LIBRARY—TRUSTEES.

SYLVIA ANN HOWLAND BEQUEST.

From Public Debt, interest on trust funds,	1,500.00

GEORGE O. CROCKER BEQUEST.

From Public Debt, interest on trust funds,	200.00

GEORGE HOWLAND, JR.; GIFT.

From Public Debt, interest on trust funds,	48.00

CHARLES W. MORGAN BEQUEST.

From Public Debt, interest on trust funds,		30.00

OLIVER CROCKER BEQUEST.

From Public Debt, interest on trust funds,		30.00

JAMES B. CONGDON GIFT.

From Public Debt, interest on trust funds,		15.00

CHARLES L. WOOD, LIBRARY FUND.

From Public debt, interest on trust funds,		40.00

FREE PUBLIC LIBRARY—DOG FUND.

From County Treasurer, half amount received for dog licenses,	$1,322.78	
Mercury Publishing Co., second audit,	6.00	1,328.78

FREE PUBLIC LIBRARY—READING ROOM.

Mercury Publishing Co., second audit,		6.00

INCIDENTALS.

From Collector of Taxes, costs and interest,		
Taxes 1897,	$18.70	
Taxes 1896,	596.23	
Taxes 1895,	1,033.97	
Taxes 1894,	5.75	
Sewer taxes,	38.27	
William H. Burbank, second audit,	3.00	1,695.90

PARK COMMISSIONERS.

Assistant City Clerk, sale of hay,	$48.00	
Brooklawn Park, sale of hay,	15.00	
Highways and streets, labor,	9.50	
Highways and streets, dressing,	1.75	74.25

POLICE DEPARTMENT.

George Douglass, pay rolls, overpaid,	$54.41	
Charles F. Wing, second audit,	12.96	67.37

POOR DEPARTMENT.

New York Biscuit Co., second audit,	$3.45	
George S. Taber, second audit,	1.85	5.30

PUBLIC DEBT.

Commissioners of Sinking Funds, Improvement Bonds matured,	$35,000.00	
Water Works, bonds matured,	20,000.00	
Water Works, interest on bonds,	10,000.00	65,000.00

REAL ESTATE TAX ACCOUNT.

Margaret Carroll, tax of 1894,	$33.35	
R. J. Croacher, tax of 1894,	26.34	
S. W. Devoll, sewer tax,	10.00	
Henry W. Kenyon, sewer tax,	36.61	
E. G. Therrien, tax of 1894,	19.36	
Walker, Waite & Co., tax of 1894,	60.84	
" " "	66.79	253.29

SCHOOL COMMITTEE.

Sylvia Ann Howland, bequest, accrued interest,	1,500.00

SCHOOL COMMITTEE—PRIZE FUND.

Jonathan Bourne, bequest,	30.00

SCHOOLS—DOG FUND.

County Treasurer, ½ amount received for dog licenses,	1,322.78

SEMI-CENTENNIAL FUND.

Citizens subscriptions,	$2,005.00	
Mercury Publishing Co., 2d audit,	7.25	2,012.25

SCHOOLS—INCIDENTALS.

E. Anthony & Sons, second audit,	$1.50	
James E. Blake, second audit,	1.05	
Sarah D. Ottiwell, overpaid, pay rolls,	7.50	10.05

SCHOOLS—PAY OF TEACHERS.

A. S. Homer, overpaid, pay rolls,	16.25

SEWER—PROSPECT STREET.

Manuel J. Sylvia, overpaid, pay rolls,	1.80

TEMPORARY LOAN.

F. S. Moseley & Co., at $3\frac{3}{8}\%$,	$150,000.00	
F. S. Moseley & Co., at $3\frac{15}{100}\%$	250,000.00	400,000.00

UNAPPROPRIATED FUNDS.

From sundry persons and departments, labor, material furnished etc., by Board of Public Works,		$27,965.60
From sundry persons, drains,		4,934.83
From Collector, interest on deposits,		6,164.09
From Collector, one per cent, for collecting State Bank tax,		394.88
From Collector, betterment taxes, viz.:—		
John A. P. Allen, Union street,	$412.03	
E. H. Brownell, et al. "	113.90	
Joseph Brownell, Est. of "	160.44	
Joseph Brownell, Heirs of "	100.45	
Ruth O. Cushing, Purchase street,	188.86	
Arvilla Delano, "	682.28	
Simeon Folsom, "	581.72	
R. B. Greene, et al, Union and Fourth streets,	1,320.56	
Francis Hathaway, Est. of Purchase street,	704.67	
Thomas S. Hathaway, Est. of Union and Fourth streets,	404.08	
A. M. Ivor, Purchase street,	265.75	
James D. T. Kent, "	454.92	
John McCullough, et al, Union street,	169.69	
N. B. Institution for Savings, Union and Fourth streets	1,093.12	
N. B. Institution for Savings, Union and Fourth streets,	1,063.96	
N. B. Gas and Electric Light Co., Union and Fourth streets,	146.60	
Parker House, Purchase street,	1,019.05	
Mrs. Warren B. Potter, "	496.24	
William A. Reed, Union and Fourth streets,	844.17	
Daniel Ricketson, Union and Fourth streets,	703.19	
Charlotte F. Snow, Purchase street,	1,044.23	11,969.91
From Collector, sewer taxes, viz:		
Acushnet avenue sewer,	$122.59	
Arnold street sewer,	124.17	
Belleville avenue sewer,	19.31	

Beetle street sewer,	64.36	
Borden street sewer,	92.63	
Bourne street sewer,	88.55	
Bullard street sewer,	1,183.80	
Butler street sewer,	471.13	
Chancery street sewer,	231.89	
Coffin avenue sewer,	489.07	
Coggeshall street sewer,	24.19	
County street sewer,	50.60	
Court street sewer,	178.91	
Davis street sewer,	531.20	
Dean street sewer,	794.35	
Earl street sewer,	377.21	
Elm street sewer,	17.18	
Fourth street sewer,	306.56	
Front street sewer,	407.64	
Hall street sewer,	94.03	
Harrison street sewer,	147.58	
Mill street sewer,	1,211.43	
Morgan street sewer,	17.69	
Morton court sewer,	60.40	
Nye street sewer,	637.62	
Orchard street sewer,	250.32	
Palmer street sewer,	70.94	
Peirce street sewer,	19.89	
Rotch street sewer,	48.50	
Round street sewer,	23.22	
Scott street sewer,	98.73	
Shawmut avenue sewer,	43.84	
Sixth and Cherry streets sewer,	517.38	
Thompson street sewer,	34.69	
Union street sewer,	22.61	
Weaver street sewer,	406.30	9,280.51
From sundry persons, material furnished by Engineering department,	$23.65	
N. B. Five Cents Savings Bank,	54.25	77.90
From sundry persons, Liquor Licenses,		79,560.25
From Columbia dredging Co., hose,	$3.00	
From Frederick Macy, sales,	40.00	
Poor department, dressing,	565.38	608.38
From sundry persons, fees entering sewers,		770.00

From State Treasurer,		
Balance of corporation taxes, 1896,	$825.52	
Balance of corporation taxes, 1897,	31,445.18	
Non-resident bank taxes, 1897,	2,585.71	
Tax on ships in foreign trade,	829.14	
Portion of liquor license, returned,	219.83	
Armory rents, 1897,	600.00	36,505.38
Sundry receipts on account of school department, viz:		
Tuition, non-resident pupils,	1,021.69	
Superintendent, sales,	14.73	1,036.42
Sundry receipts on account of Police department, viz:		
Board of Health, services,	924.00	
Bristol County House of Correction, fines, etc.,	1,530.00	
Poor department, dressing,	71.29	
Third District Court Bristol, fines, etc.,	4,047.30	
County of Bristol, rent court room,	450.00	7,022.59
From City Clerk, licenses, fees, etc.,		1,103.11
From sundry sources, as follows:		
Pedlers licenses,	$275.00	
Milk licenses,	157.00	
Circus license,	25.00	457.00
From Veteran firemen Association, rent,		80.00
Bates & Kirby, return of rent of rooms occupied as Republican headquarters,		60.00
Premium on $172,000. Improvement bonds at 104.629,	7,961.88	
Premium on $128,000. School bonds, at 108.119,	10,392.32	
Premium on $69,000. Sewer bonds, at 110,537,	7,271.91	
Accrued interest on same,	31.98	
Accrued interest on $200,000. Water bonds,	1,328.89	26,986.98
From sundry sources, account Poor department:		
Cities and Towns:		
Acushnet,	$26.00	
Attleborough,	52.50	
Boston,	85.87	
Bourne,	51.00	
Chicopee,	30.00	

Dartmouth,	210.55		
Easton,	46.00		
Edgartown,	16.95		
Fairhaven,	18.00		
Fall River,	524.92		
Freetown,	110.00		
Hanson,	54.00		
Hyde Park,	117.96		
Lawrence,	63.00		
Lowell,	20.50		
Mattapoisett,	32.00		
Milford,	37.00		
Nantucket,	106.50		
Orleans,	5.00		
Palmer,	130.25		
Plymouth,	77.50		
Quincy,	35.00		
Rochester,	60.00		
Taunton,	110.50		
Truro,	4.50		
Wareham,	68.75		
Westport,	290.50		
Worcester,	1.00	2,385.75	
From sundry persons, almshouse,	$194.82		
From sundry persons, Insane Hospital, Taunton,	1,078.95		
From Fire Department, hay,	430.80		
From County Treasurer, board,	94.00		
From sale of farm produce,	233.78		
For burials,	23.00		
For outside relief,	9.68		
From State Treasurer, support and burials,	1,871.44	3,936.47	221,299.96

NEW BEDFORD WATER WORKS.

From Water Registrar as follows:—			
Rates,		$99,098.92	
Services,		4,031.00	
Mains,		3,544.75	
Meters,		1,650.35	
Incidentals,		25.50	
Mill piping,		141.63	
Shop work,		63.27	
Sale of hay,		42.90	
Fines, off and on,		56.00	108,654.32

NEW BEDFORD WATER WORKS—FURTHER SUPPLY.

From sundry sources, as follows:—		
Premium on $200,000 bonds at 110.83,	$21,660.00	
Rebate on interest,	36.27	
J. S. Ashley, second audit,	5.00	
Received on account of land,	452.34	
Water Registrar, sundry sales,	48.83	
Sale of pipe,	9.44	
Sale of wood,	52.46	22,264.34

DEPARTMENT OF WHARVES.

Received from sundry sources, viz:			
General sewers,	Wharfage,	$15.75	
Public Works,	Wharfage,	263.50	
N. B. Water Works,	Wharfage,	156.75	
Wharfinger,	Dockage, etc.	3,470.31	3,906.31

Receipts, including balance Jan. 4, 1897,	2,688,232.45
Expenditures per warrants of the Mayor,	2,543,980.04
Balance, December 6, 1897,	$144,252.41

EXPENDITURES.

The payments for the year ending December 6, 1897, have been as follows:

Armories and military property,	$3,622.19
Board of Assessors,	4,780.57
Board of Health,	19,372.02
Cemeteries,	23,089.99
Cemeteries, sale of lots,	3,305.42
City property,	8,950.58
Almshouse changes,	1,508.19
Police station, Kempton and Cedar streets,	5,300.01
Police station lot, Kempton and Cedar streets,	3,000.00
Schoolhouse lot, Maitland street,	2,956.84
Com. of Mass. chapter, 62,	35.00
" " " 279, of 1894,	2,052.00
" " " 279, of 1896,	315.00
" " " 301, of 1894,	9,331.14
" " " 447,	5,821.73
Court judgments,	310.01
Election funds,	3,154.88
Engineering department,	9,318.67
Engineering department, grade crossing,	936.59
Fire department,	72,456.50
Fire department, underground wires,	763.02
Free Public Library,	10,003.05
Free Public Library, dog fund,	1,362.67
Free public Library, Trustees, as follows:	
James B. Congdon fund,	156.18
George O. Crocker fund,	479.34
Oliver Crocker fund,	48.08
George Howland, Jr. fund,	131.90
S. A. Howland fund,	2,201.22
Charles W. Morgan fund,	6.00
Charles L. Wood, library fund,	14.10
Reading Room fund,	500.13
Highways and streets,	164,834.32
Land damages, Coffin avenue, No. 1,	3,654.07
" " Coffin avenue, No. 2,	159.00
" " Cove street, No. 1,	2,439.00
" " Cove street, No. 2,	2,748.00
" " Fourth street,	137.27
" " Hemlock street, No. 1,	935.04
" " Hemlock street, No. 2,	432.00

Land damages, Hillman street,		135.00
" " Nash road,		275.00
" " Purchase street, No. 1,		59.63
" " Purchase street, No. 2,		15,240.29
" " Orchard street,		200.00
" " Union street,		691.85
Incidentals,		28,754.57
Semi-Centennial celebration,		9,980.52
License Commissioners,		957.72
Lighting streets,		44,350.14
Coggeshall street bridge,		188.11
New Bedford & Fairhaven bridge,		3,466.53
New Bedford School Committee, S. A. Howland fund,		3,259.92
New Bedford School Committee, Jonathan Bourne prize fund,		60.00
N. B. Water Works,		109,892.27
N. B. Water Works, further supply,		253,973.25
Park Commissioners,		14,834.89
Pingree plan for poor,		751.83
Police department,		104,750.83
Poor department,		47,960.05
Printing, binding and stationery,		4,232.69
Public Schools. Incidentals,	47,337.99	
" " Teachers,	112,662.59	
" " Repairs of buildings,	14,974.74	
" " Dog fund,	932.05	
" " Kindergartens,	1,553.29	177,460.66
Schoolhouse, Dartmouth and Dunbar streets,		2,247.32
" Phillips avenue,		2,500.00
" Brock avenue,		22,806.18
" Brock avenue, heating, etc,		1,600.00
" Brock avenue,		17,631.52
" Phillip avenue and Bowditch street,		10,675.24
Schoolhouse, Brock avenue, curbing,		8.70
Receiving tomb, Rural cemetery,		802.40
Temporary bridge, Fish and Pope's Island,		9,850.00
Salaries,		21,994.42
Sewers, general account,		22,744.51
" Adams street,		839.70
" Ashley street,		543.99
" Belleville avenue, No. 8,		118.99
" Bentley street,		212.06
" Bourne street, No. 2,		282.18
" Bullard street, No. 3,		350.32

Sewers, Butler street, No. 2,	1,490.83	
" Chancery street, No. 5,	437.32	
" Chancery street, No. 6,	59.17	
" Clinton street, lowering,	233.35	
" Clinton street, No. 3,	138.74	
" East French avenue,	657.43	
" Elm and Reed streets,	1,055.27	
" Grit street,	172.09	
" Hazzard street,	47.25	
" Holly and Bowditch streets,	3,080.70	
" Howland street, No. 3,	4,005.72	
" Merrimac street, No. 3,	247.29	
" Mount Pleasant street, No. 2,	302.82	
" Myrtle street, No. 3,	89.35	
" Orchard street, No. 6,	311.65	
" Peirce street, No. 2,	215.51	
" Pleasant street, No. 3,	669.92	
" Prospect street, No. 3,	5,500.05	
" Sawyer street, No. 3,	1,700.76	
" Second street, No. 12,	329.84	
" Shawmut avenue, No. 5,	409.61	
" Stowell street,	803.02	
" Summer street, No. 2,	121.43	
" Tallman street,	190.20	
" Wamsutta and Merrimac streets,	7,404.12	
Department of wharves,	1,349.08	
Repair shop, No. 4 engine house addition,	4,070.39	
Public debt,	207,607.13	
Sinking funds,	73,860.00	
Temporary loan,	920,105.00	$2,543,980.04

STATEMENT OF TRUST FUNDS HELD BY THE CITY OF NEW BEDFORD.

New Bedford School Committee:			
One-half Sylvia Ann Howland bequest, invested in Water Works construction account, at 6 %,			$50,000.00
Free Public Library, Trustees' account:			
One-half Sylvia Ann Howland bequest, invested in Water Works, as above stated, at 6 %,			50,000.00
			$100,000.00
Free Public Library, Trustees' account, (held as cash in the treasury):			
George Howland gift at 6 %,		$1,600.00	
Charles W. Morgan bequest, at 6 %,		1,000.00	
Oliver Crocker bequest, at 6 %,		1,000.00	
James B. Congdon gift, at 6 %,		500.00	
George O. Crocker bequest, at 4 %,		10,000.00	
Charles L. Wood, library fund, at 4 %,		2,000.00	16,100.00
School Committee, Jonathan Bourne prize fund, at 6 %,			1,000.00
Cemetery funds, perpetual care of lots. (Held as cash in the treasury at 6 per cent).			
Balance January 4 1897,		$26,734.93	
Cemetery Funds, (deposited in savings banks).			
Balance January 4, 1897,	$7,975.00		
Receipts to December 1, 1897,	6,075.00	14,050.00	40,784.93
Total trust funds,			$157,884.93

We have examined the foregoing, and find it correct.

CHARLES H. LAWTON,
ROBERT L. BAYLIES,

Sub-committee of the Committee on Finance, appointed to examine the books and accounts of the Auditor and Treasurer.

Annual Report

OF THE

Sinking Fund Commissioners

OF THE

City of New Bedford,

FOR THE YEAR 1897.

REPORT

OF THE

TREASURER OF THE SINKING FUNDS.

City of New Bedford,
Treasurer's Office,
January 1, 1898.

To the Commissioners of Sinking Funds of the City of New Bedford:

Gentlemen:—Herewith I present a statement of my account as the Treasurer of the Sinking Funds for the year 1897, together with a list of the securities now held by you.

Dr.

Amount of funds, January 1, 1897,	$463,174.81	
Received from the city, annual requirements for the year,	90,066.00	
Received for interest on investments,	20,032.13	
		$573,272.94

Cr.

Amount paid as accrued interest on investments purchased,	$797.54	
Amount paid in premiums on same,	8,266.75	
Amount paid City Treasurer on maturing Improvement bonds, April 1, 1897,	35,000.00	
Amount of funds January 1, 1898,	529,208.65	
		$573,272.94

APPROPRIATIONS

By the City Council and Water Board, to reduce municipal debt for the year, including other receipts, together with the value of the Sinking funds, January 1, 1898.

Sinking funds, January 1, 1897,		$463,174.81
For $30,000 Sewer bonds, April 1, 1886, 20 years,	$1,200.00	
$30,000 Sewer bonds, October 1, 1886, 20 years,	1,200.00	
$15,000 Sewer bonds, April 1, 1887, 20 years,	600.00	
$35,000 Improvement bonds, April 1, 1887, 10 years,	206.00	
$15,000 Improvement bonds, April 1, 1888, 10 years,	1,200.00	
$35,000 Sewer bonds, April 1, 1888, 20 years,	1,400.00	
$43,000 Sewer bonds, April 1, 1889, 20 years,	1,720.00	
$62,000 Improvement bonds, April 1, 1889, 10 years,	4,960.00	
$48,000 Sewer bonds, April 1, 1890, 20 years,	1,920.00	
$25,000 Improvement bonds, April 1, 1890, 10 years,	2,000.00	
$57,000 Sewer bonds, April 1, 1891, 20 years,	2,280.00	
$73,000 Improvement bonds, April 1, 1891, 10 years,	5,840.00	
$100,000 Sewer bonds, April 1, 1892, 20 years,	4,000.00	
$50,000 Improvement bonds, April 1, 1892, 10 years,	4,000.00	

$100,000 Park bonds, June 1, 1892, 50 years,	1,000.00	
$108,000 Sewer bonds, April 1, 1893, 20 years,	4,320.00	
$62,000 Improvement bonds, April 1, 1893, 10 years,	12,960.00	
$32,000 Sewer bonds, April 1, 1894, 20 years,	1,200,000	
$89,000 Improvement bonds, April 1, 1894, 10 years,	7,120.00	
$58,000 Sewer bonds, April 1, 1895, 30 years,	1,160.00	
$24,000 Improvement bonds, April 1, 1895, 10 years,	1,920.00	
$1,200,000.00 Water bonds, January 1, 1897, 30 years,	16,000.00	
$172,000 Improvement bonds, March 1, 1897, 10 years,	6,960.00	
$128,000 Schoolhouse bonds, March 1, 1897, 20 years,	3,080.00	
$69,000 Sewer bonds, March 1, 1897, 30 years,	780.00	
$52,000 Wharf bonds, May 1, 1897, 30 years,	1,040.00	90,066.00
Interest on investments,		20,032.13
Total receipts, including balance, January 1, 1897,		$573,272.94

PAYMENTS.

To City Treasurer, Improvement bonds matured, April 1, 1897,	$35,000.00	
Premiums on bonds purchased,	8,266.75	
Accrued interest on same,	797.54	$44,064.29
Net value of Sinking funds, January 1, 1898,		$529,208.65

LIST OF SECURITIES BELONGING TO THE SINKING FUNDS JANUARY 1, 1898.

Milwaukee, Wis., Viaduct loan, 5 per cent. bonds, due July 2, 1906,	$6,500.00
Milwaukee, Wis., Museum loan, 5 per cent. bonds, due July 1, 1906,	$3,000.00

Milwaukee, Wis., Bridge loan, 5 per cent. bonds, due July 1, 1906,	10,500.00
Bridgeport Conn., Municipal loan, 4 per cent. bonds, due January 1, 1924,	6,000.00
Indianapolis, Ind., Refunding loan, 4 per cent. bonds, due June 30, 1924,	5,000.00
Indianapolis, Ind., Refunding loan, 4 per cent. bonds, due March 1, 1924,	5,000.00
Waterbury, Conn., Water loan, 4 per cent. bonds, due July 1, 1919,	15,000.00
Lynn Municipal loan, 4 per cent. bonds, due January 1, 1922,	5,000.00
Lynn Municipal loan, 4 per cent. bonds, due October 1, 1923,	1,000.00
Lynn Municipal loan, 4 per cent. bonds, due April 1, 1923,	3,000.00
Lynn Sewer loan, 4 per cent. bonds, due September 1, 1908,	6,000.00
Cambridge Sewer loan, 4 per cent. bonds, due August 1, 1924,	32,000.00
Cambridge Park loan, 4 per cent. bonds, due February 1, 1924,	4,000.00
Grand Rapids, Mich., Water loan, 4½ per cent. bonds, due October 1, 1913,	40,000.00
New Britain, Conn., Water loan, 4 per cent. bonds, due August 1, 1908 to 1918,	25,000.00
Springfield, O., Municipal loan, 5 per cent. bonds, due September 1, 1901,	4,000.00
Springfield, O., Municipal loan, 5 per cent. bonds, due September 1, 1902,	3,000.00
Cleveland, O., Water loan, 4 per cent. bonds, due April 1, 1903,	4,000.00
New Bedford Water loan, 4 per cent. bonds, due April 1, 1924,	3,000.00
New Bedford Sewer loan, 3½ per cent. bonds, due October 1, 1906,	30,000.00
New Bedford Wharf loan, 4 per cent. bonds, due May 1, 1927,	52,000.00
Newton Water loan, 4 per cent. bonds, due April 1, 1924,	19,000.00
Wakefield Light loan, 4 per cent. bonds, due October 1, 1918,	9,000.00
Woonsocket, R. I., Funding bonds, 4 per cent., due April 1, 1924,	3,000.00
Haverhill Municipal loan, 4 per cent. bonds, due October 1, 1921,	20,000.00

Brockton Water loan, 4 per cent. bonds, due April 1, 1924,	7,000,00
Brockton Water loan, 4 per cent. bonds, due December 15, 1923,	1,000.00
Saginaw, Mich., Sewer loan, 5½ per cent. bonds, due November 1, 1913,	15,000.00
Malden Sewerage loan, 4 per cent. bonds, due May 2, 1924,	5,000.00
Malden Sewerage loan, 4 per cent. bonds, due May 2, 1925,	20,000.00
Newport, R. I., Gold loan, 4 per cent. bonds, due May 15, 1923,	15,000.00
Meriden, Conn., Municipal loan, 4 per cent. bonds, due May 1, 1907,	10,000.00
Haverhill Municipal loan, 4 per cent. bonds, due December 1, 1922,	5,000.00
Taunton Sewer loan, 4 per cent. bonds, due June 1, 1915,	1,000.00
Taunton Municipal loan, 4 per cent. bonds, due June 1, 1905,	11,125.00
Taunton Municipal loan, 4 per cent. bonds, due December 1, 1915,	2,000.00
Taunton Municipal loan, 4 per cent. bonds, due December 1, 1906,	19,000.00
Youngstown, O., Water loan, 5 per cent. bonds, due May 1, 1899,	5,000.00
Youngstown, O., Water loan, 5 per cent. bonds, due May 1, 1900,	1,000.00
Hyde Park Sewer loan, 4 per cent. bonds, due May 1, 1908 and 1909, one-half each,	10,000.00
Hyde Park Schoolhouse loan, 4 per cent. bonds, due November 1, 1901, 1902,	3,000.00
Malden Water loan, 4 per cent. bonds, due January 1, 1916,	10,000.00
Waltham Building loan, 4 per cent. bonds, due January 1, 1907,	3,000.00
Waltham Water loan, 4 per cent. bonds, due April 1, 1917,	6,000.00
Waltham Sewer loan, 4 per cent. bonds, due January 1, 1927,	2,000.00
Attleborough Water loan, 4 per cent. bonds, due January 1, 1926,	18,000.00
Newton Sewer loan, 4 per cent. bonds, due May 1, 1927,	16,000.00
Quincy sewer loan, 4 per cent. bonds, due from May 1, 1916 to 1923,	20,000.00

Watertown Municipal loan, 4 per cent. bonds, due August 1, 1900,	1,000.00	$520,125.00

SAVINGS BANK DEPOSITS.

New Bedford Five Cents Savings Bank,	$1,161.55	
New Bedford Institution for Savings,	1,093.22	
The Boston Five Cents Savings Bank,	1,121.73	
Charlestown Five Cents Savings Bank,	1,093.22	
City Institution for Savings, Lowell,	992.88	
Suffolk Savings Bank for Seamen and Others,	1,145.96	$6,608.56
New Bedford Safe Deposit & Trust Co., deposits,		2,475.09
Total amount of investments, including deposits,		$529,208.65

BONDS PURCHASED DURING THE YEAR ENDING AT THIS DATE, JANUARY 1, 1898.

Malden Water bonds, 4s, at 106⅛,	$10,000	
New Bedford Wharf bonds, 4s, at par,	52,000	
Lynn Sewer bonds, 4s, at 104¾,	6,000	
Hyde Park Sewer bonds, 4s, at 104½,	5,000	
Hyde Park Sewer bonds, 4s, at 104⅞,	5,000	
Waltham Building bonds, 4s, at 104¼,	3,000	
Taunton Municipal bonds, 4s, at 107⅞,	2,000	
Taunton Municipal bonds, 4s, at 104½,	19,000	
Attleborough Water bonds, 4s, at 109⅞,	18,000	
Newton Sewer bonds, 4s, at 110¾,	16,000	
Waltham Water bonds, 4s, at 107¾,	6,000	
Waltham Sewer bonds, 4s, at 110,	2,000	
Quincy Sewer bonds, 4s, at 107.61,	20,000	
Watertown Municipal bonds, 4s, at 101¾,	1,000	
Hyde Park School bonds, 4s, at 101.80,	2,000	
Hyde Park School bonds, 4s, at 102¼,	1,000	$168,000

AMOUNT OF SINKING FUNDS AND LOANS SECURED BY SAME IN EACH CLASS.

CLASS.	SINKING FUNDS.	LOAN.	WHEN DUE.
3	$18,377.25	$30,000.00	April 1, 1906
4	16,485.53	30,000.00	Oct. 1, 1906
5	8,255.09	15,000.00	April 1, 1907
7	14,651.94	15,000.00	" 1898
8	17,093.94	35,000.00	" 1908
9	6,719.83	20,000.00	" 1918
10	18,476.53	43,000.00	" 1909
11	53,300.51	62,000.00	" 1899
12	17,944.95	48,000.00	" 1910
13	18,692.78	25,000.00	" 1900
14	18,248.85	57,000.00	" 1911
15	46,742.71	73,000.00	" 1901
16	26,908.06	100,000.00	" 1912
17	26,908.06	50,000.00	" 1902
18	5,500.58	100,000.00	" 1942
19	23,762.42	108,000.00	" 1913
20	71,287.29	162,000.00	" 1903
21	5,170.38	32,000.00	" 1914
22	30,677.50	89,000.00	" 1904
23	6,942.58	120,000.00	" 1924
24	45,812.14	1,200,000.00	Jan. 1, 1927
25	3,620.68	58,000.00	April 1, 1925
26	5,992.83	24,000.00	" 1905
27	13,998.00	172,000,00	March 1, 1907
28	5,194.03	128,000.00	" 1917
29	1,401.44	69,000.00	" 1927
30	1,042.75	52,000.00	May 1, 1927
	$529,208.65	$2,917,000.00	

Respectfully submitted,

JAMES H. HATHAWAY,

Treasurer of the Sinking Funds.

REPORT

OF THE

Commissioners of the Sinking Funds.

NEW BEDFORD, MASS.,
March 22, 1898.

To the City Council of the City of New Bedford:

GENTLEMEN:—At a meeting of the Commissioners of Sinking Funds of the City of New Bedford, held this day, it was

Voted, To adopt the foregoing statement of the Treasurer as the report of the Commissioners of the Sinking Funds of the City of New Bedford, required by the Statutes of Massachusetts to be made annually to the City Council.

A. R. PALMER,
WILLIAM H. PITMAN,
E. S. BROWN,
Commissioners of Sinking Funds.

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In Board of Aldermen,

May 12, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

5 mo., 12, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1897—CITY DOCUMENT No. 9.

ANNUAL REPORT

OF THE

CHIEF OF POLICE,

OF THE

CITY OF NEW BEDFORD,

TO THE

CITY COUNCIL,

FOR THE

Year Ending December 31, 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS,
1898.

REPORT.

City of New Bedford, Mass.

Office of the Chief of the Police,

December 31, 1897.

To His Honor, the Mayor and Gentlemen of the City Council.

Gentlemen:—I have the honor to submit herewith the annual report of the condition and the doings of the Police Department for the year ending December 31, 1897.

This department at present consists of the following:

Chief,	1	Emergency Officer,	1
Captains,	2	Wagonmen,	2
Lieutenants,	9	Drivers,	2
Inspectors,	2	Housekeepers,	9
Sergeants,	4	Matron,	1
Patrolmen,	74	Janitor,	1
Clerk,	1		
Health Officer,	1	Total,	110

There are five station houses, Station No. 1 being the Central Station or Headquarters, to which all other stations and the patrolmen on their beats report through the signal system, and from which the entire force is controlled.

The following shows the distribution of the force:

STATION 1.	
Captains,	2
Lieutenants,	4
Inspectors,	2
Patrolmen,	20
Clerk,	1
Emergency Officer,	1
Housekeeper,	1
Janitor,	1

STATION 2.	
Lieutenant,	1
Sergeants,	2
Patrolmen,	15
Housekeepers,	2

STATION 3.	
Lieutenant,	1
Patrolmen,	15
Housekeepers,	2

STATION 4.	
Lieutenant,	1
Patrolmen,	12
Housekeepers,	2

STATION 5.	
Lieutenant,	1
Sergeants,	2
Patrolmen,	12
Housekeepers,	2

TOTAL NUMBER OF ARRESTS, 2,089.

January,	150	Males,	1,828
February,	163	Females,	261
March,	165	Americans,	952
April,	168	Foreigners,	1,137
May,	227	Non-residents,	490
June,	167	Minors,	224
July,	174	On warrants,	500
August,	226		
September,	180		
October,	195		
November,	129		
December,	145		
Total,	2,089		

LODGERS.

Males,	2,133	Americans,	1,367
Females,	6	Foreigners,	872
	2,139		2,169
Residents,	25	Non-residents,	2,114
Minors,	44		

NATIVITY OF LODGERS.

United States,	1,267	Sweden,	9
British America,	24	Scotland,	70
Canada,	61	Spain,	1
Ireland,	404	Norway,	2
England,	274	Poland,	3
France,	4	Wales,	4
Germany,	7	Russia,	4
Italy,	1		
Portugal,	4		2,139

FINES.

Amount of fines in Third Bristol District Court,	$7,084.60

OFFENCES.

Assault,	176
Assault felonious,	2
Adultery,	2
Allowing cattle to graze in public streets,	6
Bastardy,	19
Breaking, entering and larceny,	19
Begging,	2
Being present where gaming implements were found,	14
Conspiracy to defraud,	1
Cruelty to dumb animals,	10
Contempt of court,	6
Concealing leased property,	2
Crime against nature,	1
Disturbing public school,	1
Disturbing religious assembly,	1
Disturbing the peace,	141
Disturbing public assembly,	1
Dealing in junk without license,	6
Drunkenness,	1,274
Embezzlement,	5
Escaped convicts,	1
Fornication,	2
Forgery,	2
Frequenting opium joint,	2
Incest,	1
Idle and disorderly,	29
Insane,	30
Illegally using boat,	2

Indecent exposure,	1
Illegally selling liquor,	2
Keeping liquor nuisance,	1
Keeping liquor with intent to sell,	8
Keeping common nuisance,	1
Keeping common gaming house,	1
Keeping noisy and disorderly house,	9
Keeping opium joint,	2
Larceny,	150
Larceny felonious,	1
Lewd and lacivious cohabitation,	1
Malicious mischief,	8
Manslaughter,	2
Murder,	1
Mutilating tombstones,	1
Neglected children,	6
Night walking,	15
Non-support,	50
Obstructing officer,	3
Obstructing street,	1
Obtaining goods under false pretenses,	2
Pedling without license,	1
Perjury,	1
Policy agent,	1
Polygamy,	1
Receiving stolen goods,	3
Raising U. S. Treasury notes,	1
Rape,	2
Selling mortgaged property,	1
Stealing a ride,	2
Stubbornness,	10
Surrendered by bondsmen,	2
Threats,	12
Trespass,	1
Uttering forged order,	2
Uttering counterfeit money,	1
Vagrants,	14
Violation of City ordinances,	7
Violation of pawn broker's law,	1
Violation of park ordinance,	1
Violation of law of the road,	1

NATIVITY OF PRISONERS.

United States,	952	Poland,	2
British Provinces,	27	Denmark,	1
Canada,	257	Austria,	5
Ireland,	331	Brazil,	2
England,	275	St. Helena,	4
France,	1	West Indies,	3
Germany,	16	China,	3
Italy,	15	Wales,	2
Portugal,	78	Armenia,	1
Sweden,	25	Finland,	1
Scotland,	48		
Norway,	8		
Russia,	32		2,089

PRIMARY DISPOSITION OF CASES.

Fined,	1,244
Sentenced,	250
Continued,	336
Continued on probation,	86
Probably guilty,	11
Ordered to give bonds to keep the peace,	6
Laid on file,	14
Nolle prossed,	7
Defaulted,	5
Not guilty and discharged,	29
Released by order of Court,	47
Bailed to appear at Superior Court,	1
Settled by marriage,	2
Delivered to out of town officers,	11
Delivered to keeper of Jail,	1
Delivered to keeper of Work House,	1
Delivered to Overseers of the Poor,	4
Delivered to State Board of Lunacy and Charity,	2
Committed to Insane Hospitals,	30
Died before arraignment,	2
Total,	2089
Paid fines,	545
Committed to penal institutions,	100

MISCELLANEOUS BUSINESS.

Accidents,	15
Amount of property reported stolen in city,	$5,490.44
Amount of property recovered,	3,755.89
Buildings found open and secured,	190
Boxes found open,	13
Court attendance,	2,122
Cases investigated,	3,363
Dangerous buildings reported,	3
Dangerous dogs reported,	6
Dangerous wires reported,	28
Defective fire alarm boxes reported,	11
Defective police boxes reported,	94
Defective lamps reported,	65
Defective streets and sidewalks reported,	504
Defective gas pipes reported,	4
Defective hydrants reported,	8
Defective water pipes reported,	10
Dead bodies found,	3
Disturbances suppressed,	372
Dog notices served,	380
Dogs killed,	23
Fire alarms given,	32
Fires extinguished without alarms,	24
Intoxicated persons helped home,	32
Lost children found and returned,	235
Liquor search warrants served,	6
Notices served,	465
Street obstructions reported,	43
Street obstructions removed,	39
Stray teams put up,	61
Sick and injured persons assisted,	92
Horses killed,	4
Water running to waste,	60
Horses found cast,	42
Electric street lights reported out,	1,109
Gas " " " "	392
Naptha " " " "	1,368
Extra hours duty,	2,546½

ROSTER OF THE FORCE.

CHIEF.

HENRY W. MASON.

CAPTAINS.

TIMOTHY C. ALLEN, JAMES L. WILBER.

INSPECTORS.

FRANKLIN L. HATHAWAY, GEORGE E. GENDRON.

LIEUTENANTS.

SETH E. BRYANT,
THOMAS FAY,
CHARLES L. McBAY,
THOMAS J. TAFT,
THOMAS W. COMSTOCK,
ARTHUR H. JONES,
JOHN C. PARKER,
JOSEPH B. WING.

COURT AND COMMITTING OFFICER.

Lieut. LEMUEL D. ADAMS.

CLERK.

HENRY N. WEST.

SERGEANTS.

WILLIS C. UNDERWOOD,
CHARLES C. GIFFORD,
WILLIAM E. ROSCOE,
EDMUND FOLEY.

POLICE MATRON.

MRS. MARGARET S. BULLARD.

PATROLMEN.

ALDRICH, OSCAR F.
ALLEN, EDGAR W.
ALLEN, EDWARD
ALLEN, ROBERT N.
ALMOND, WALTER
ALMOND, WILLIAM, Jr.
ARNETT, HENRY
ARNETT, JAMES W.
ATWOOD, WILLIAM W.
BROWNELL, MILTON A.
CALLAHAN, THOMAS F.
CANNAVAN, PATRICK
CLARK, ULYSSES L.
COWING, WILLIAM J.
COX, JAMES M.
DAHONEY, THOMAS
DALEY, JEREMIAH E.
DEMERS, FRANK E.

DENEEN, DANIEL
DODDS, JAMES
ELDRIDGE, WASHINGTON A.
ENOS, FRANK
HUTCHINSON, JOHN J.
IVEY, JAMES A.
KENNEY, PATRICK
KENT, CHANCELOR,
LEE, ALLEN L.
MATHER, JOSEPH
McCARTHY, JEREMIAH
McDONALD, PATRICK
McENNIS, ROBERT B.
McLEOD, SAMUEL D.
MOYNAN, ROBERT
MURPHY, CORNELIUS J.
OLIVER, JOHN F.
PINKHAM, GEORGE W.
RAYMOND, HIRAM E.
REMINGTON, FRANK L.
RHODES, HENRY W.
RICKETSON, HARRISON D.
ROOKS, JOHN C.
RUSSELL, EUGENE F.
SAVAGE, JAMES W.
SISSON, JOSEPH De L.
SMITH, ANDREW J.
SMITH, CHARLES F.
STOW, HARRY D.
SULLIVAN, JOHN D.
SULLIVAN, TIMOTHY
SWEENEY, DANIEL P.
SYLVIA, FRANK W.
TABER, JEREMIAH M.
VOGEL, GEORGE
WESTON, STEPHEN J.
WIXON, JAMES A.
COLE, WILLIAM T.
HOWLAND, WILLIAM A. E.
LAWRENCE, GEORGE R.
McDONNELL, JAMES
BRIGGS, JOHN W.
CLOUGH, GEORGE H.
CHURCH, CHARLES B.
DOHERTY, EDWARD P.
EARLEY, EDWARD C.
FANNING, JAMES F.
FOWLER, WILLIAM
LOWTHER, GEORGE H.
McDONALD, DENNIS J.
McCARTHY, EDWARD
McDONALD, DANIEL J.
MEEHAN, DANIEL
VOGEL, ROBERT F.
WILLIS, RUFUS H.
WINSLOW, GEORGE F.

EMERGENCY OFFICER.

PATRICK KENNEDY.

HEALTH OFFICER.

WILLIAM E. MACOMBER.

WAGONMEN.

JONES, JOHN M.
PAIGE, GEORGE W.

DRIVERS.

JENNNIGS, EDWARD F.
RYAN, WILLIAM M.

HOUSEKEEPERS.

BUMPUS, HENRY W.
DAYTON, LUTHER M.
HUMPHREY, DANIEL J.
MITCHELL, WILLIAM H.
STEVENS, HENRY
WILSON, THOMAS H.
JONES, ISAAC M.
MANCHESTER, JOHN B.
ROBBINS, CHARLES H.

JANITOR.

MOSES C. DREW.

In Memoriam.

Elisha E. Russell, housekeeper, died February 26th, 1897, having served the City for nearly fifteen years.

APPOINTMENTS.

On June 29th, the following appointments were made, viz: —

Lieut. Lemuel D. Adams, to be Court and Committing Officer, of the Third Bristol District Court.

Inspector of Police, John C. Parker, to be Lieutenant of Police.

Patrolman George E. Gendron, to be Inspector of Police.

Patrolmen Willis C. Underwood, Charles C. Gifford, William E. Roscoe, Edmund Foley, to be Sergeants of Police.

July 1st. The following named persons, having served a probationary term of six months, and their conduct and capacity having been found satisfactory, were appointed and confirmed Regular Police Officers of the City of New Bedford, viz: —

George W. Lowther, William Fowler, Daniel J. Mc Donald, Edward P. Doherty, Edward C. Earley, John W. Briggs, James F. Fanning.

On Sept. 30th, the following named persons, having served a probationary term of six months, and their conduct and capacity having been found satisfactory were appointed and confirmed regular police officers of the City of New Bedford, viz: —

Robert F. Vogel, Dennis J. McDonald.

On Dec. 23d, the following named persons were appointed and confirmed regular police officers of the City of New Bedford, they having served in a satisfactory manner, a probationary term of six months, according to the civil service rules of the Commonwealth, viz :—

George F. Winslow, (veteran), Edward McCarty, Daniel Meehan, (veteran,) Charles B. Church, George H. Clough, (veteran), Rufus H. Willis, (veteran).

SIGNAL SYSTEM.

The telephone system, although not perfect, is reasonably satisfactory.

Duty calls registered,	257,666
Telephone calls registered,	22,103
Wagon calls registered,	688
Total,	280,457
Ambulance calls,	92

POLICE STABLE AND APPARATUS.

The police stable is in good condition. A considerable improvement, and saving in coal might be made however, by partitioning off a small portion of the wagon room, for the use of the drivers and wagonmen, so as not to necessitate the heating of the whole room to so high a degree. This change would also provide better conditions for both wagons and horses.

The apparatus consists of:

Patrol wagon, (rubber tires),	1	Top buggy,	1
Prisoners van,	1	Single sleigh,	1
Ambulance, (rubber tires),	1	Horses,	3
Two-seated carriage,	1		

STATION HOUSES.

The station houses, with one exception, are in fairly good condition. The station house now in process of building at the corner of Kempton and Cedar streets, when completed, will leave nothing to be desired in that direction.

WOMEN'S LOCKUP.

Mrs. Margaret S. Bullard, the matron of the lockup, completed her tenth year of service, Dec. 31st. This extended term of service as matron, is an indication of her ability and efficiency in the discharge of duties oftentimes disagreeable.

Number of prisoners during the year,	244
Number of insane prisoners,	4
Lost and neglected children,	18
Lodgers,	8

DISCIPLINE.

The members of the force generally, have shown a prompt willingness to comply with all requirements, and have manifested a commendable spirit of co-operation with their officers and with each other, in the prevention and suppression of crime, and the apprehension and punishment of violators of the law.

CONCLUSION.

My acknowledgements are hereby tendered to His Honor the Mayor, the Committee on Police, and the City Solicitor, for courtesies extended, and kindly co-operation with the Department and assistance in discharge of the important duty of maintaining the peace and good order of the City, and securing the safety of its citizens.

Respectfully,

HENRY W. MASON,

Chief of Police.

IN BOARD OF ALDERMEN,

April 14, 1898.

Received, and ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

4 mo., 14, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898 — CITY DOCUMENT No. 10.

NINTH ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS

OF THE

CITY OF NEW BEDFORD

TO THE

CITY COUNCIL,

TOGETHER WITH THE REPORT OF THE

SUPERINTENDENT OF PUBLIC WORKS

TO THE BOARD,

FOR THE YEAR 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

BOARD OF PUBLIC WORKS.

Organized May 3, 1889, under Chapter 167 of the Acts and Resolves of 1889.

ORGANIZATION FOR 1897.

CHARLES S. ASHLEY, Mayor, Chairman.
GEORGE P. BAILEY, President of the Common Council.
CHARLES O. BRIGHTMAN, term expires May, 1898.
JOHN ELDRIDGE, JR., term expires May, 1899.
MORGAN ROTCH, term expires May 1900.

CLERK.

WILLIAM S. COOK.

SUPERINTENDENT OF PUBLIC WORKS.

CHARLES F. LAWTON, Civil Engineer.

1897.

NEW BEDFORD,

MASS.

Population, census of Massachusetts, 1895, 55,254.

Valuation, $58,171,798.

Area, about 17 square miles.

136.58 miles of accepted streets.

Two bridges over the Acushnet river; 7-9 old bridge maintained by New Bedford; 3-4 Coggeshall street bridge maintained by New Bedford.

2.36 miles of old block paving, an area of 30,989 square yards.

17.592 miles of cobble paving, an area of 214,089 square yards.

43.38 miles of macadam paving, an area of 517,002 square yards.

73.25 miles of earth streets.

80.18 miles of curbing.

36.21 miles of flag sidewalk, an area of 109,875 square yards.

26.55 miles of concrete sidewalk, an area of 128,173 square yards.

.19 miles of granolithic sidewalk, an area of 808 square yards.

59.108 miles of sewer from 8 to 72 inches diameter.

$943,022.58 cost of sewer system to date.

752 catch basins.

142 eyeholes.

541 manholes.

26 sewer outlets into Acushnet river.

3 " " " lower harbor.

5 " " " Clark's Cove.

REPORT.

OFFICE OF BOARD OF PUBLIC WORKS,
January 1st, 1898.

To the Honorable the City Council of the City of New Bedford:

GENTLEMEN:—The ninth annual report of the Board of Public Works for the year of 1897 is herewith submitted.

At the first meeting in January the Board organized with Honorable Charles S. Ashley, Mayor, Chairman; George P. Bailey, President of the Common Council; George F. Bartlett, Charles O. Brightman and John Eldridge, Jr.

Honorable Morgan Rotch became a member of the Board in May in place of George F. Bartlett whose term had expired. Mr. Bartlett has been a member of the Board for a period of six years, and upon his retirement the following resolution was passed by the Board, viz:

IN BOARD OF PUBLIC WORKS,
May 4, 1897.

The Board of Public Works desiring to place on record its appreciation of the services of George F. Bartlett, for six years a member of this Board, it is hereby

Resolved, That in the retirement of George F. Bartlett as a member of this Board, the city of New Bedford loses the services of a man, whose untiring attention to the manifold duties of the office, whose sound counsel and advice in the meetings of the Board, and whose knowledge of the ever increasing needs of the public, have been of the

greatest value in deciding for the best welfare of the city, the large amount of business transacted by the Board of Public Works; and it is further

Resolved, That as evidence of the appreciation of his services by the public and the personal esteem and respect in which he was held by the members of this Board, these resolutions be spread upon the records of the Board, and a copy of the same transmitted to Mr. Bartlett.

The year just closed has been the busiest in the history of the department. Although the financial year consisted of but eleven months owing to the ordinance passed by the City Council closing the year upon the first Monday in December, our expenditures have exceeded all previous years. Considering the fact that material has been purchased at much lower figures than ever heretofore, the amount of work accomplished during the year is most satisfactory.

At the opening of the working season the Board adopted a liberal policy in the constructing of macadam streets, and the laying of curbing. This class of work is always satisfactorily received by the public, its value being appreciated alike by all who use our streets, and by the owners of property upon the streets so improved. In the construction of macadam, the policy of discontinuing the old stone and concrete crosswalks has been followed. This is appreciated by all classes of travel and undoubtedly is more economical upon the whole. The longest piece of macadam built during the year is that upon the County road, being nearly one mile in length. This work will probably be continued until a continuous modern roadway will be had to the northern limits of the city. The care of macadam streets has always been a serious question, and it is the purpose of the Board to have these streets under continual observation, for it is well known that no kind of paving is so quickly destroyed when once broken up.

The department has laid more feet of curbing this year than during any previous year.

The block paving done during this year consists of about seventy-four thousand granite blocks laid in Purchase street and Acushnet avenue. All block paving is now laid upon a concrete foundation, and is our most permanent form of street construction.

Desirous of securing the best form of pavement to be used in our streets where the traffic is heavy, the Board secured opinions from various cities, and subsequently laid an experimental piece of asphalt block pavement in Pleasant street, between William and Elm streets. The pavement has maintained its surface, but sufficient time has not elapsed for a decision as to whether this is the best pavement for our streets. The aim of all progressive cities at the present time is to secure a pavement which combines as nearly as practicable all the qualities which an ideal street pavement should possess. This can only be done by actual experimenting with the various kinds.

Our sidewalk construction now consists almost entirely of concrete. The policy of assessing one-half of the expense upon the abutting property owners, now invariably enforced, has been willingly complied with by petitioners, and so far as the department has been able all petitions for this class of work have been favorably acted upon. That this assessment is not deemed unjust by property owners is shown by the fact that the amount of new concrete has increased quite materially since the rule went into effect.

The Board has taken a long stride forward in doing all in its power in recognition of that large portion of our people who are devoted to the bicycle. During the year bicycle paths have been built on the County road, and on East and West French avenues, a total length of over two miles. With our so-called "flush crossings" and the cycle

paths we have accomplished as much for this part of the travelling public as any city of its size in the state.

There is no more important branch of the work of this department than that of street cleaning. The system of continuous street cleaning gangs has been followed this year, and although the expense was considerably increased over that of previous years, the results have proved so satisfactory that the plan now in use will be followed and increased as the better condition of the streets demands.

This Board is called upon yearly to accept a great number of new street layouts. During the year we have accepted thirty-four streets, of which number several were old streets which had never been legally laid out as public streets. While it is often wise to accept these new streets to prevent great expense in the future, when they have been built upon without regard to a permanent layout, the Board has to pursue a conservative course in constructing the same. If every new street was immediately put in an improved condition our whole appropriation would soon be exhausted, and our older streets allowed to go uncared for. The widening of Purchase street between Elm and Middle streets has been completed, and it is the intention of the Board to continue this widening from Kempton street to North street early in the new year. The ordinance passed by your honorable body requiring all builders to apply for lines and grades of streets, whether public streets or not, has proved the wisdom of the act, and the city and builders have been saved expense.

The sewer construction of the year has consisted mainly of a large number of small sewers in streets recently built upon. The Howland street sewer has been completed, and the Merrimac street sewer enlarged and extended. While these improvements have tended to relieve these districts of the great flow through the sewers in the

immediate locality, further improvements in this line are now an almost absolute necessity.

Some further and more detailed recommendations in the matter will probably be made in the near future.

The report of the Superintendent accompanies this report and for the details of the year's work, attention is respectfully called to the tables therein contained.

Respectfully submitted,

CHARLES S. ASHLEY,
GEORGE P. BAILEY,
CHARLES O. BRIGHTMAN,
JOHN ELDRIDGE, JR.,
MORGAN ROTCH.

The following is the report of William Downey, draw tender of the New Bedford and Fairhaven Bridge, for the eleven months ending November 30, 1897, showing the number of vessels for which the draw has been opened.

1897.	Boats.	Schs.	Ships and Barks.	Tugs.	Barges.	Total.
January,		11		57	25	93
February,		4		50	29	83
March,	8	21		76	28	133
April,	47	21		90	34	192
May,	185	27	1	86	28	327
June,	189	40		83	36	348
July,	273	32	2	140	97	544
August,	298	19	1	81	56	455
September,	219	16		123	73	431
October,	117	11		119	67	314
November,	39	15	1	109	60	224
	1,375	217	5	1,014	533	3,144

APPROPRIATIONS AND EXPENDITURES, 1897.

	Appropriation.	Expenditure.
Highways and streets	$167,000.00	$164,834.32
General sewers,	20,066.79	22,744.51
Coggeshall street bridge,	400.00	188.11
New Bedford and Fairhaven bridge,	4,000.00	3,466.53
*Fourth street widening,	3,342.16	137.27
Purchase street widening, Elm to Middle,	2,000.00	710.29
*Purchase st. widening, Middle to Kempton,	3,010.57	59.63
*Union street widening,	2,419.86	691.85
	$202,239.38	$192,832.51
Adams street sewer,	1,560.00	839.70
Ashley street sewer,	501.00	543.99
*Belleville avenue sewer, No. 8,	288.80	118.99
Bentley street sewer,	740.00	212.06
Bourne street sewer, No. 2,	601.00	282.18
*Bullard street sewer, No. 3,	376.73	376.73
Butler street, sewer, No. 2,	2,000.00	1,490.83
Chancery street sewer, No. 5,	600.00	437.32
Chancery street sewer, No. 6,	100.00	59.17
Clinton street sewer, lowered,	300.00	233.35
†Clinton street sewer, No. 3,	600.00	138.74
East French avenue sewer,	1,050.00	657.43
Elm and Reed street sewer,	1,250.00	1,055.27
†Grit street sewer,	200.00	172.09
†Hazard street sewer, No. 2,	100.00	47.25
Holly and Bowditch streets sewer,	5,150.00	3,080.70
*Howland street sewer, No. 3,	4,095.28	4,005.72
Merrimac street sewer, No. 4,	400.00	247.29
Mount Pleasant street sewer, No. 2,	500.00	302.82
Myrtle street sewer, No. 3,	200.00	89.35
Orchard street sewer, No. 6,	450.00	311.65
Pierce street sewer, No. 2,	375.00	215.51
Pleasant street sewer, No. 3,	1,000.00	669.92
†Prospect street sewer No. 3,	4,501.80	5,500.05
Sawyer street sewer No. 3,	1,800.00	1,700.76
Second street sewer, No. 12,	400.00	329.84
Shawmut avenue sewer, No. 5,	750.00	409.61
Stowell street sewer,	1,200.00	803.02
Summer street sewer, No. 2,	200.00	121.43
†Tallman street sewer,	2,000.00	190.20
†Wamsutta and Merrimac streets sewer,	7,000.00	7,404.12
	$242,468.99	$224,879.60

* Begun in 1896.

† Cost incomplete.

HIGHWAYS AND STREETS.

Year.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock On Hand Decreased.	Stock On Hand Increased.
1894	$101,263.49	$35,023.85	$62,700.69		$3,538.95
1895	113,362.44	56,701.37	55,734.55		926.52
1896	119,642.27	67,953.37	57,469.25	$5,780.35	
1897	164,834.32	92,759.88	66,718.78		5,355.66

GENERAL SEWERS.

Year.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock On Hand Decreased.	Stock. On Hand Increased.
1894	$14,714.60	$4,508.70	$9,811.91		$393.99
1895	16,628.83	4,764.24	13,636.99	$1,772.40	
1896	9,975.28	3,061.72	7,010.52	96.96	
1987	14,677.22	4,585.35	11,913.45	1,821.58	

Report of the Superintendent.

OFFICE OF SUPERINTENDENT,
ODD FELLOWS' BUILDING,
NEW BEDFORD, Dec. 6, 1897.

To the Board of Public Works of the City of New Bedford:

GENTLEMEN:—The ninth annual report of the work of this department for the eleven months ending December 4, 1897, is herewith submitted.

The principal features in the work of the year deserving of special notice have been the construction of a very large amount of new macadam roadway, the laying of an unusually large amount of curbing, and the continuation on Purchase street and Acushnet avenue of block paving on a concrete foundation.

During the year we have laid 6.35 miles of macadam. The longest single piece has been on the County road from the meeting-house north of Lund's Corner to the old macadam south of the Phillips road, and from Ball's Corner east to the Acushnet line, being only twenty-six feet short of a mile. It is to be hoped that work on the County road can be continued northerly until we reach the boundary line of the city. This avenue will then present one of the finest examples of modern road construction to be found in this part of the country, and would give us a macadam drive the entire length of the city.

In connection with the macadam work to be done the coming year, I would earnestly advise the erection of a

portable plant in the south part of the city. The demand for macadam streets is constant, and after being once constructed constant repairs are necessary. By having a small plant at both ends of the city, the expense of a long haul will be eliminated.

The demand for new macadam the past year has caused us to be somewhat neglectful in the matter of maintenance of old streets. I trust that in the coming year we can give more attention to repairs, and bring our main travelled streets into such a condition, as to reflect credit upon the work of the department. In this connection I would suggest the advisability of putting in commission one or two small gangs, whose time should be entirely devoted to the repair of streets. The defects in a macadam street generally appear first in the nature of hollows, where for some reason, the surface has settled, making a disagreeable jumper whenever a vehicle passes over it. In the rush of other regular work, these places do not receive the attention they should at the start, and constantly become worse. Two men with a team engaged exclusively on the repair of these places could cover a large amount of ground, and keep the condition of streets materially improved.

A good deal has been done during the year in the way of taking out the paved squares and ugly cross gutters, so objectionable to all classes of wheel travel. Pleasant street is a noticeable example of this class of work and the expressions of approval from all classes of the travelling public prove, beyond doubt, that work of this sort is needed and should be continued.

During the year side-paths designed principally for the benefit of wheelmen have been built on the County road from Sisson's to the city line, and from Butler street to the end of Clark's Point on East French avenue. These paths have been built where no sidewalks previously ex-

isted, and are for the use of pedestrians, as well as for bicycles. While perhaps these paths are fully appreciated only by wheelmen, when we consider that there are probably eight thousand (8,000) wheels owned in the city, as against two thousand six hundred seventy-four (2,674) horses, a ratio of three (3) to one (1), work of this nature seems to be not out of place, and more should be done the coming year.

Twenty-seven thousand one hundred sixty-six (27,166) feet of curbing have been laid the past year which is about two thousand (2,000) feet in excess of the amount in any previous year. The demand for curbing in many of our old streets as well as in our new ones, together with the present low prices of stone, makes this improvement one of the best returns for the expenditure that the Board can make.

About seventy-five thousand (75,000) granite blocks on concrete base have been laid on Purchase street and Acushnet avenue. This is probably as permanent an improvement in the nature of street pavement as can be made. The adoption of this form of pavement in place of cobbles on the following streets is earnestly advised.

Middle, Second to Front, 1,372 yards, estimated cost,	$3,155.60
Front, Middle to Union, 3,532 yards, estimated cost,	8,123.60
Union, Second to railroad, 2,617 yards, estimated cost,	6,019.10
Purchase, e. s., Pope to Weld, 7,933 yards, estimated cost,	18,245.90
Total,	$35,544.20

The small amount of asphalt block laid last spring on Pleasant street, between William and Elm, has shown no defective qualities yet, but the question of slipperiness in winter remains yet to be solved. It has been proved to be a quiet, smooth, firm pavement, quick to dry and easy to keep clean. An opportunity to compare it with sheet asphalt is very desirable, and if a block of sheet asphalt could be laid on Pleasant street, from William to Union, a

valuable comparison could be made. The presence of an asphalt plant in connection with the new bridge should offer an opportunity for this to be done at reasonable cost.

A large amount of stone has at various times been dumped on the south side of Cove road west of Crapo street. I would suggest that this stone be used the coming season to continue the sea-wall westward, and enable us to fill in Cove road to its full width.

No very extensive additions have been made to the plant the past year. The work of the Portable Crusher has been made more economical by the addition of an elevator rotary screen and small pocket to hold the crusher stone. This is noticeable from the fact that the cost of crushing a ton of stone has been reduced from 29.84 cents in 1896, to 21.51 cents in 1897. In this connection, a review of the cost of crushing a ton of stone at both the centre and outside crushers for the last six years is interesting. The following table shows this cost, exclusive of the first cost of stone:

Year.	Centre Crusher.	Outside Crusher.
1892,	36.82 cents.	36.21 cents.
1893,	30.51 "	42.29 "
1894,	25.95 "	36.29 "
1895,	26.88 "	33.50 "
1896,	19.94 "	29.84 "
1897,	17.76 "	21.51 "

The amount of stone crushed at the centre crusher the past year is 38,260 tons. This is nearly 8,000 more tons than was crushed in 1896, and more than twice as much as was crushed in any other year.

It would seem hardly necessary to continue calling the attention of the Board to the lack of sewer capacity along our water front, but the unusually heavy rainfalls of the past season have emphasized the necessity of increasing the capacity of many of our sewers, and relieving others

of the work they are called on to do. Decided improvements have already been made by the enlargement of the Howland street and Merrimac street sewers, but many more and greater improvements are absolutely needed.

Attention is requested to the tables hereto appended, which are made a part of this report, and which show in detail the work of the department for the year.

Respectfully submitted,

C. F. LAWTON, Supt.

STREETS ACCEPTED.

Street.	Location.	Width. Feet.	Length. Feet.
Ashland place,	Linden court to Ashland street,	20	487.20
Bolton road,	Rivet street north 856.94 feet,	50	856.94
Bolton road,	856.94 feet north of Rivet to Fair street,	50	633.15
Central avenue,	Acushnet avenue to Bowditch street,	50	1,437.62
Clinton,	Orchard to Chancery,	40	1,494.38
Clinton,	Chancery to Park,	40	276.28
Cornell place,	Bowditch street to O. C. R. R.,	30	284.71
Dunbar,	Bolton road to Dartmouth street,	50	1,237.88
Emerson,	Kempton to North,	40	370.75
Hazard,	County to Ashland,	40	436.65
Hemlock,	Fruit st. to 236.72 ft. south of Rockland,	50	617.85
Hemlock,	Rockland to Sears,	50	310.86
Holly,	Acushnet avenue to Bowditch street,	50	552.23
Kenyon,	Belleville avenue to Front street,	40	369.80
Linden court,	Ashland place to Linden street,	20	248.00
Nash road,	Mt. Pleasant st., to Shawmut ave.,	50	1,962.40
Ocean,	Maple to Union,	40	997.21
Orchard,	Rivet to Rockland,	50	834.96
Park,	Maple to Arnold,	40	342.62
Riverside ave.,	Earl street to Belleville avenue,	50	1,352.88
Ruth,	East French avenue to Brock avenue,	50	1,830.70
Salisbury,	Ruth street north 23.26 feet,	50	23.26
Sawyer,	County street west 661.62 feet,	50	661.62
Seventh,	Bedford street north 162.50 feet,	40	162.50
Sidney,	Bolton road to Hemlock street,	50	578.34
Sidney,	Hemlock to Dartmouth,	50	665.67
South,	County street west 604 feet,	50	604.00
Stowell,	Dartmouth street to Rural cemetery,	40	842.66
Studley,	County to Ashland,	40	536.30

Sylvia,	River road west 1115.61 feet,	50	1,115.61
Taber,	Page to Brigham,	50	1,063.10
Tallman,	Acushnet avenue to Bowditch street,	50	608.72
Trinity,	Cedar to Wilson,	40	388.70
Viall,	Ruth street north 2.21 feet,	50	2.21
			24,187.76

Total 24,187.76 feet, or 4.58 miles.

STREET WIDENINGS LAID OUT AND ACCEPTED.

Street.	Location.	Amount of Widening.	Former Width.	Present Width.	Length.
Adams,	County street west 564.34 feet,	10 feet on north side.	40	50	564.34
Coffin Ave.,	Acushnet avenue east 1,526.20 feet,	5 feet on each side.	40	50	1,526.20
Cove,	Harbor to Water,	10 feet on north side.	50	60	822.39
Cove,	Water to County,	20 feet on north side.	50	70	722.74
					3,635.67

STREET GRADES ESTABLISHED IN ADDITION TO ABOVE.

Durfee.	Shawmut avenue to Rockdale avenue,	Length,	3,518.00
Front.	Union to Centre,	"	225.21
			3,743.21

MACADAM, NEW.

Street.	Location.	Length.	Area Sq. Yards.	Cost.
Acushnet ave.,	Between Delano and Blackmer,	412	824.00	$369.92
Acushnet ave.,	Between Rivet and Potomska,	510	1,020.00	385.57
Acushnet ave.,	Lund's corner to south of Phillips road,	5,254	13,426.90	6,943.80
Bonney,	Between Grinnell and Allen,	583.5	1,199.42	501.07
Campbell,	Between Summer and Chestnut,	201	402.00	201.98
Campbell,	Between Chestnut and Cottage,	205	425.94	136.23
Campbell,	Between Cottage and Cedar,	317	598.80	206.41
Chestnut,	Between Smith and Willis,	459	978.90	409.00
County,	Between Linden and Sawyer,	2,561	7,542.78	3,731.67
Cove,	Between East French avenue and Harbor street,	571	2,382.24	1,388.16
Delano,	Between First and County,	623.9	1,351.20	614.86
Elm,	Between Summer and Cottage,	448.2	906.40	102.98
Elm,	Between Cottage and Cedar,	326	652.00	155.57
Emerson,	North of Court,	180	470.00	147.46
First,	Between South and Grinnell,	359.5	729.00	280.80
First,	Between Coffin and Madison,	260	520.00	153.38
Forest,*	Between County and Bonney,	622	1,285.50	350.43
E. French ave.,	South of Cove,	614.25	2,801.30	1,633.13
Griffin,	Between Water and Second,	362	732.04	285.14
Grove,	Between Cottage and Ash,	575.5	1,077.50	411.62
Lincoln,	Between Arnold and Union,	613	1,185.13	223.43
Linden,	Between State and County,	254	847.35	380.26
Middle,	Between Cottage and Cedar,	322	638.60	184.98
Mill road,	East of Acushnet avenue,	397	1,323.10	426.80
Morgan,	Between Cedar and Ash,	216	408.00	150.70
North,	Between County and Summer,	303	597.58	185.65
North,	Between Cottage and Cedar,	319	652.18	220.70
Park,	Between Court and Kempton,	913	1,877.61	671.18

MACADAM, NEW—*Continued.*

Streets.	Location.	Length.	Area Sq. Yards.	Cost.
Pleasant,	Square at Middle,	40	130.00	$ 124.95
Pleasant,	Square at High,	40	1(2.00	56.20
Pleasant,	At Kempton,	40	130.00	66.93
Pleasant,	Square at Mill,	40	121.00	52.02
Pleasant,	Square at North,	40	111.00	71.66
Pleasant,	Square at Hillman,	40	121.00	120.17
Pleasant,	Square at Maxfield,	40	111.00	73.66
Pleasant,	Square at Campbell,	40	121.00	87.48
Pleasant,	Square at Willis,	40	111.00	70.07
Pleasant,	Square at Pearl,	69	306.70	185.28
Pleasant,	Square at Pope,	40	130.00	124.51
Pleasant,	Square at Franklin,	40	111.00	109.45
Pleasant,	Square at Merrimac,	50	144.70	144.55
Pleasant,	Square at Hazard,	50	174.70	94.55
Pleasant,	Square at Austin,	50	174.70	104.91
Pleasant,	Square at Linden,	50	174.70	110.08
Pope,	Between Pleasant and State,	285	538.30	150.16
Sawyer,	Between Purchase and County,	192	490.67	353.36
Seventh,	North of Bedford,	161	309.50	113.82
Sherman,	Between County and Bonney,	684.75	1,384.61	450.30
Smith,	Between Walden and County,	238.5	459.80	205.52
Spruce,	Between Hillman and Maxfield,	258	510.26	168.09
State,	Between Pope and Franklin,	286	575.10	192.39
Thomas,	Between Hillman and Maxfield,	257	502.60	176.15
Thomas,	Between Maxfield and Sycamore,	281	558.90	159.73
Walden,	Between Hillman and Maxfield,	255.3	510.60	165.91
Walden,	Between Maxfield and Sycamore,	282	559.30	194.18
Walden,	Between Sycamore and Smith,	262	527.10	137.81

Washburn,	Between Front street and Acushnet avenue,	700	1,400.00	532.96
Weld,	Between Pleasant and State,	243	680.40	286.96
Willis,	Between Cedar street and Shawmut avenue,	488	921.17	358.24
		24,364.40	59,058.28	$26,095.02

* To be rolled.

Cost per square yard,	$ .441
Cost per foot,	1.07
Average tons of stone per square yard,	.408

MACADAM REBUILT.

STREET.	LOCATION.	LENGTH.	AREA SQ. YARDS.	COST.
Acushnet ave.,	South of Lund's Corner,	1,634	4,498.8	$1,421.56
Cottage,	Between Bay and Allen,	319	671.3	291.51
Cottage,	Between Bedford and Grove,	405.5	799.7	285.40
Cottage,	Between Grove and Hawthorn,	355	807.9	288.49
Cottage,	Between Maple and Arnold,	364	715.9	273.46
County,	Between Court and William,	129	358.3	140.66
Dartmouth,	Between Hickory and Cottage,	543	603.33	182.97
Hawthorn,	Between Ash and Page,	517	1,352.67	516.42
High,	Between Pleasant and Foster,	172.4	271.05	54.07
Kempton,	Between Pleasant and Foster,	177.2	337.54	80.56
Kempton,	Between Chepatchet lane and town line,	527.5	747.29	221.87
Madison,	Between Fifth and County,	686	1,348.26	514.01
Mill,	Between Acushnet avenue and Purchase street,	204	410.3	161.81
Pleasant,	Between High and Kempton,	86	350	137.61
Pleasant,	Between Mill and North,	202	383.8	135.51
Pleasant,	Between North and Hillman,	267.1	497.92	96.83
Pleasant,	Between Franklin and Merrimac,	264	498.66	215.54
Pleasant,	Between Austin and Linden,	363.1	685.85	229.98
Rockdale ave.,	Between Kempton and Maxfield,	780	1,733.33	625.18
Second,	Between Griffin and Cannon,	552.5	1,105	469.39
Second,	Between Madison and Walnut,	247	480.29	185.27
Second,	Between Walnut and School,	344	718.57	248.32
		9,139.3	19,375.76	$6,776.42

Cost per square yard,	$ .35
Cost per foot,	.741
Average tons of stone per square yard,	.325

MACADAM REPAIRED.

Total cost,	$1,289.19

PAVING, NEW.

Street.	Location.	Block.		Cobble.		Cost.
		Length. Feet.	Area. Sq. Yards.	Length. Feet.	Area. Sq. Yards.	
Acushnet ave.,	Between Coggeshall and Sawyer,	630.9	1,640.			$3,883.26
Bedford,	Between Acushnet ave. and Fourth st.,			205.	257.4	134.86
Cedar,	Between Parker and Austin,			2,220.	1,937.3	748.62
Pleasant,*	Between William and Elm,	296.7	1,088.			2,807.88
Purchase,†	Between Elm and Middle,			208.	422.9	
Purchase,	Between Maxfield and Pearl,	932.9	2,103.			4,710.51
Summer,	Between Elm and Kempton,			564.	697.	288.70
		1,860.5	4,831.	3,197.	3,314.6	$12,573.83

Total cost block paving,	$11,401.65
Cost per square yard concrete foundation,	2.295
Cost per square yard asphalt,	2.58
Total cost cobble paving,	1,172.18
Cost per square yard,	.405

*Asphalt
†Cost under widening of Purchase street.

PAVING REPAIRED.

Cobble paving,	$3,299.17
Cost per square yard,	.298

FILLING AND GRADING.

STREET.	LOCATION.	COST.
Abbott,	South of East French avenue,	$135.35
Acushnet ave.,	North of Lund's corner,	814.49
Acushnet ave.,	North of Ball's corner,	617.38
Acushnet ave.,	South of Braley road,	212.75
Adams,	West of County,	479.43
Armour,	Between Union and Court,	154.78
Arnold place,	North of Arnold street,	105.30
Ashley,	South of Cove,	964.48
Babbitt,	Between Dartmouth and Field,	108.04
Beech,	Between Kempton and Mill,	115.85
Beech,	Between North and Hillman,	200.30
Belleville ave.,	Between Howard avenue and Main street,	302.23
Bentley,	Between Acushnet ave. and Bowditch st.,	559.02
Blackmer,	Foot of,	123.31
Braley road,	Between Acushnet ave. and Phillips road,	200.48
Brock avenue,		3,825.55
Bullard,	West of Acushnet avenue,	230.82
Chancery,	Between North and Maxfield,	247.61
Chancery,	Between Parker and Tilton,	158.95
Cleveland,	South of Cove,	197.48
Clinton,	West of Chancery,	307.37
Coggeshall	West of County,	180.85
Columbia,	South of Allen,	228.37
County,	Between Linden and Purchase,	403.40
Cove,	West of East French avenue,	171.22
Davis,	East of Belleville avenue,	557.01
Davis,	East of Front,	137.33
Davis,	East of Acushnet avenue,	1,680.52
Dudley,	Between Brock ave. and West French ave.,	816.02
Dunbar,	Between Bolton road and Dartmouth st.,	179.19
Elm,	Between Park and Liberty,	405.05
E. French ave.,		935.58
Front,	Between Delano and Rivet,	156.76
Hathaway rd.,	East of Rockdale avenue,	421.20
Hemlock,	South of Rockland,	317.83
Hillman,	West of Hunter,	759.48
Hillman,	Between Beech street and Rockdale ave.,	183.21
Howland dock,		2,534.67
Independent,	Between County and Crapo,	312.19
Jouvette,	Between County and Crapo,	631.20
Kempton,	Foot of,	335.55
Kenyon,	Between Belleville ave. and Front street,	249.81
Liberty,	Between Kempton and North,	260.58
Liberty,	Between North and Hillman,	111.21
Merrimac,	Foot of,	440.46
Middle,	Foot of,	312.16
Newton,	Between Mill and North,	419.23
North,	Between Liberty and Florence,	709.28
Oak,	South of Allen,	146.18

FILLING AND GRADING.—*Continued.*

STREET.	LOCATION.	COST.
Ocean,	South of Union,	728.57
Orchard,	South of Thompson,	104.59
Orchard,	Between Thompson and Rockland,	150.45
Park,	South of Arnold,	414.70
Peckham,	Between County and Reynolds,	165.79
Penniman,	Between Reynolds and Myrtle,	185.68
Pierce,	Between Union and Court,	102.36
Pierce,	South of West Elm,	729.45
Popes Island,		298.68
Pope street,	East of Acushnet avenue,	1,501.65
Potomska,	Foot of,	369.32
Reynolds,	Between Clark and Peckham,	1,348.04
Ruth,	Between East French ave. and Ashley st.,	880.16
Sawyer,	West of Bowditch,	217.04
Sawyer,	West of County,	307.39
Scott,	West of County,	513.08
Second,	Between Cove and Delano,	301.95
Sidney,	East of Dartmouth,	1,139.18
Summer,	North of Parker,	220.30
Thatcher,	Between Grit street and Cove road,	496.39
Thompson,	Between Bolton road and Dartmouth st.,	348.27
Viall,	South of Cove,	220.88
Wamsutta,	Foot of,	486.57
Wilson,	Between Austin and Durfee,	234.40
Sundry sts.	Costing less than $100,	4,806.52
		$40,327.92

Deducted because charged to collecting ashes,	$8,153.09	
" " " " street cleaning,	2,888.48	11,041.57
		$29,286.35

GUTTERS, NEW.

STREET.	LOCATION.	LENGTH.	AREA. SQ. YARDS.	COST.
Abbott,	Both sides, south of East French avenue,	497	170.4	$ 78.93
Acushnet ave.,	East side, between Division and Delano,	136	52.9	22.59
Acushnet ave.,	Both sides, between Delano and Blackmer,	744	248	110.78
Acushnet ave.,	Both sides, north of Lund's corner,	10,471	4,068	2,304.50
Adams,	Both sides, west of County,	55	17.5	8.00
Arnold place,	Both sides, between Arnold street and Rotch court,	834.5	324.5	175.06
Arnold,	North side, east of Arnold place,	50	16.7	9.15
Ash,	West side, between North and Hillman,	127	42.3	14.42
Babbitt,	Both sides, between Dartmouth and Field,	1,301	505.95	282.28
Bonney,	Both sides, between Rivet and Rockland,	1,031	401.2	180.01
Bourne,	Both sides, between Fruit and Thompson,	708	275.4	128.52
Campbell,	South side, between Chestnut and Cottage,	103	34.3	18.07
Campbell,	Both sides, between Cottage and Cedar,	633.5	211.11	89.24
Cedar Grove,	Both sides, between Purchase and Reynolds,	1,358	528	210.19
Chestnut,	West side, between Smith and Campbell,	93	31	12.04
Chestnut,	East side, between Campbell and Willis,	171	57	23.26
Cleveland,	Both sides, south of Cove,	1,121	373.6	124.50
Coggeshall,	South side, between Purchase and County,	332	129.1	62.05
Coggeshall,	Both sides, between County and Reynolds,	819	318.5	132.14
Cottage,	West side, between Bedford and Grove,	212	82.4	66.32
Cottage,	East side, between Grove and Hawthorn,	306	119	71.99
Cottage,	East side, between Hawthorn and Arnold,	587	195.3	103.02
County,	Both sides, between Linden and Sawyer,	4,421	1,548	629.27
Cove,	Both sides, between East French ave. and Salisbury st.,	1,576	603.9	242.84
Davis,	Both sides, between Front st. and Acushnet ave.,	934	367.1	170.37
Davis,	North side, between Acushnet ave. and Bowditch st.,	200.8	66.9	31.08
Delano,	Both sides, between First and County,	1,109.3	408.3	220.35
Field,	East side, between Stowell and Babbitt,	358	139.2	80.03

GUTTERS, NEW.—*Continued.*

Street.	Location.	Length.	Area. Sq. Yards.	Cost.
East French av.,	Both sides, south of Abbott,	1,061	412.6	$238.32
Front,	Both sides, between Delano and Blackmer,	810	315	187.29
Fruit,	North side, between Hemlock and Dartmouth,	1,006	391.2	181.03
Grinnell,	East of Prospect,	30.5	26	14.12
Grove,	South side, between Ash and Cottage,	383	148.9	82.88
Independent,	South side, between County and Crapo,	179	58.7	29.02
James,	West side, between Arnold and Union,	629	209.7	74.04
Linden,	Square at County,	202	89.7	21.90
Lombard,	Both sides, between Thompson and Rockland,	346	134.5	60.43
Mill road,	Both sides, east of Acushnet ave.,	598	199	115.10
North,	North side, west of Ash,	89	29.6	10.16
Orchard,*	East side, south of Thompson,			22.51
Park,	East side, between Court and Elm,	468	182	101.10
Peckham,	Both sides, between County and Reynolds,	755.5	293.7	206.13
Rivet.	Both sides, east of Bolton road,	444	148	21.54
Rockdale ave.,*	Between Dartmouth and Allen,			22.61
Sawyer,	Both sides, between Purchase and County,	349	135.7	51.45
Second,	West side, between Division and Delano,	113	43.9	13.12
Seventh,	Both sides, north of Bedford,	310	120.6	64.87
Smith,	Both sides, between Walden and County,	583	226.7	69.75
Spooner,	Both sides, between Lombard and Dartmouth,	727	282.7	163.01
Thompson,	Both sides, between Crapo and Orchard,	935	360.7	191.84
Union,	South side, between James and Rotch,	76	25.3	11.25
Walden,	East side, between Sycamore and Smith,	270	105	47.24
Weaver,	North side, between Dartmouth and Field,	221	73.7	31.37
		40,884.1	15,448.46	$7,633.08

*To be completed.

Cost per square yard,	$ .489
Cost per foot length and average length,	.185

GUTTERS REPAIRED.

Total cost,	$778.87
Length in feet,	2,211.5
Area in square yards,	774.7
Cost per foot,	$ .107
Cost per square yard,	.305

CURBING, NEW.

Street.	Location.	Length. Feet.	Cost.
Abbott,	Both sides, south of East French avenue,	473.3	$207.77
Acushnet avenue,	East side, between Division and Delano,	135	58.28
Acushnet avenue,	West side, between Division and Delano,	174.4	89.94
Acushnet avenue,	Northwest corner Delano,	12.5	8.46
Acushnet avenue,	Southwest corner Delano,	12.5	8.66
Acushnet avenue,	West side between Delano and Blackmer,	355.9	167.72
Acushnet avenue,	East side, between Rivet and Potomska,	157	95.63
Acushnet avenue,	East side, between Coggeshall and Sawyer,	453.6	237.48
Acushnet avenue,	Northwest corner Beetle,	12.5	9.06
Acushnet avenue,	Southwest corner Beetle,	12.5	8.96
Arnold place,	Both sides, north of Arnold street,	496.3	238.68
Arnold,	North side, east of Cottage,	110.9	53.61
Arnold,	South side, between Cottage and Ash,	427	193.59
Arnold,	Southwest corner Park,	12.5	8.99
Ash,	West side, between Elm and Middle,	112.8	55.71
Ash,	West side, between Middle and Kempton,	306.3	143.21
Atlantic,	West side, between Arnold and Union,	186.3	94.48
Beech,	East side, between Kempton and Mill,	156.8	72.04
Beetle,	North side, between Acushnet avenue and Bowditch street,	231.5	111.02
Bonney,	East side, between Rivet and Thompson,	261.3	122.34
Bonney,	East side, between Thompson and Rockland,	247	146.48
Bourne,	Both sides, between Fruit and Thompson,	280.7	134.25
Campbell,	South side, between Chestnut and Cottage,	107	51.58
Cedar,	West side, between Robeson and Willow,	60.2	27.66
Cedar,	Northeast corner Willow,	12.5	8.62
Cedar,	Southwest corner Willow,	12.5	12.45
Cedar,	Northwest corner Willow,	12.5	8.83
Cedar Grove,	South side, between Front street and Acushnet avenue,	236.7	124.00

Cedar Grove,	North side, between Howard street and Acushnet avenue,	121.2	89.49
Cedar Grove,	North side, between Acushnet avenue and Bowditch street,	173.5	80.62
Cedar Grove,	South side, west of Bowditch,	286.6	152.39
Chancery,	West side, south of Maple,	84.8	42.65
Chestnut,	West side, between Campbell and Smith,	68.8	33.49
Chestnut,	East side, between Pope and Locust,	75.8	36.55
Cleveland,	Both sides, between Ruth and Cove,	774.5	354.46
Coggeshall,	North side, west of Grandfield,	95.9	46.87
Coggeshall,	North side, between Acushnet avenue and Bowditch street,	107.6	52.79
Cottage,	Southwest corner Grove,	12.5	9.56
Cottage,	East side, between Arnold and Union,	150.4	73.21
Cottage,	East side, between Kempton and Mill,	160	73.47
County,	West side, south of Scott,	167.1	76.37
County,	West side, between Scott and Nelson,	69.4	32.97
County,	East side, between Division and Delano,	236.1	104.90
County,	East side, between Blackmer and Rivet,	99.7	44.40
County,	East side, between Linden and Weld,	388.5	175.39
County,	West side, between Linden and Weld,	398	187.10
County,	East side, between Weld and Clark,	304.7	149.48
County,	West side, between Weld and Clark,	321.2	161.40
County,	East side, between Clark and Penniman,	79.3	36.30
County,	West side, between Clark and Penniman,	111.9	54.39
County,	East side, between Penniman and Cedar Grove,	186	83.08
County,	West side, between Penniman and Cedar Grove,	152.2	75.60
County,	Northeast corner Cedar Grove,	12.5	8.46
County,	West side, between Cedar Grove and Peckham,	102.2	56.49
County,	West side, between Peckham and Coggeshall,	131.2	61.26
County,	Southeast corner Coggeshall,	12.5	8.53
County,	Northeast corner Coggeshall,	12.5	8.22
County,	West side, between Coggeshall and Adams,	197.7	85.09
County,	Northwest corner Adams,	12.5	9.77
County,	Northeast corner Sawyer,	12.5	9.60
County,	Northwest corner Sawyer,	12.5	8.55
County,	Southeast corner Sawyer,	12.5	8.76
County,	Southwest corner Sawyer,	12.5	9.15

CURBING, NEW.—*Continued.*

Street.	Location.	Length. Feet.	Cost.
Court,	South side, between Chancery and Park,	50.4	$22.42
Cove,	South side, between Ashley and Salisbury,	59.7	32.85
Dartmouth,	West side, north of Weaver,	93.6	41.43
Davis,	North side, between Acushnet avenue and Bowditch street,	441	241.42
Delano,	South side, between First and Second,	75.4	34.25
Delano,	South side, between Second street and Acushnet avenue,	229	103.97
Division,	North side, between Acushnet avenue and County street,	44.6	22.31
Durfee,	South side, between Cedar and Wilson,	266.9	130.01
Durfee,	Southwest corner Wilson,	12.5	8.66
Emerson,	West side, between Arnold and Union,	376.5	174.92
Fifth,	East side, north of Russell,	11.3	5.57
First,*	Both sides, between Grinnell and Howland,	687	236.85
East French ave.,	West side, south of Abbott,	579.3	289.65
Front,	East side, between Blackmer and Rivet,	176.6	83.93
Front,	West side, south of Grinnell,	214.7	116.23
Front,	East side, between Union and Central,	70.8	34.84
Front,	West side, south of Cedar Grove,	65	33.71
Grandfield,	West side, north of Coggeshall,	59	33.71
Green,	East side, between Bedford and Allen,	149.7	74.41
Harrison,	East side, between Oak and Hickory,	50	24.46
Hawthorn,	North side, east of Ash,	7.1	3.60
Hickory,	South side, between Dartmouth and Harrison,	156.8	76.05
James,	West side, between Arnold and Union,	432	199.94
Katharine,	North side, between County and Crapo,	41.3	19.55
Kempton,	North side, west of Park,	31.5	15.93
Kempton,	North side, between Palmer and Beech,	153	69.65
Liberty,	East side, south of Kempton,	259	117.07
Linden,	North side, between Purchase and Pleasant,	184.5	101.49

Locust,	South side, between Chestnut and Cottage,	145.4	73.92
Maitland,	South side, between Richmond street and Shawmut avenue,	103.2	48.38
Maple,	South side, west of Chancery,	83	41.33
Maple,	North side, east of Tremont,	54.8	27.71
Merrimac,	Both sides, between County and Summer,	697.4	332.20
Merrimac,	Northeast corner Summer, (old stone,)	12.5	7.04
Merrimac,	Southeast corner Summer, (old stone,)	12.5	6.84
Mill,	South side, between Foster and County,	113.3	56.37
Mill,	North side, between Emerson and Chancery,	75.2	34.81
Mill,	South side, between Emerson and Chancery,	102.8	45.14
Mill,	Northwest corner Chancery,	12.5	8.19
Mill,	Southwest corner Chancery,	12.5	8.39
Mill,	North side, between Chancery and Park,	102.7	49.41
Mill,	South side, west of Chancery,	65.6	28.80
Morgan,	South side, between Cottage and Cedar,	164.9	75.39
Nelson,	North side, between County and Crapo,	213.8	96.33
North,	Both sides, between Chancery and Park,	316	145.57
North,	Both sides, between Park and Newton,	671.5	245.32
Orchard,	Northeast corner Thompson, (old stone,)	12.5	7.66
Orchard,	Southeast corner Thompson, (old stone,)	12.5	8.06
Orchard,	West side, between Fair and Washington,	237.8	107.47
Page,	Both sides, between Grape and Allen,	357.9	164.83
Palmer,	West side, between Elm and Kempton,	169.6	80.36
Park,	East side, between Union and Court,	40.2	19.28
Park,	East side, between Court and Elm,	45	23.72
Park,	West side, between Court and Elm,	437.3	198.34
Park,	East side, between Elm and Kempton,	215	106.29
Park,	West side, between Elm and Kempton,	460.5	198.94
Park,	West side, between Kempton and Mill,	94.2	45.68
Peckham,	South side, between County and Reynolds,	282	132.75
Pierce,	Both sides, between Elm and Kempton,	385	133.05
Pleasant,	Both sides, between Linden and Weld,	978.2	548.49
Pope,	North side, between Summer and Chestnut,	165.4	74.55
Purchase,	Northwest corner Sawyer,	12.5	7.86
Purchase,	Southwest corner Sawyer,	8.3	7.02

CURBING, NEW.—*Continued.*

Street.	Location.	Length. Feet.	Cost.
Reed,	East side, between Court and Kempton,	427.2	$202.26
Reed,	West side, between Court and Kempton,	347.8	157.60
Reynolds,	West side, between Linden and Weld (old stone,)	40	13.39
Richmond,	West side, between Locust and Maitland,	192.2	114.58
Richmond,	Southeast corner Maitland,	12.5	8.26
Richmond,	East side, north of Maitland,	113.1	50.17
Robeson,	Both sides, between Ashland and Cottage,	347	169.52
Robeson,	North side, west of Cedar,	30.2	12.75
Rockland,	Southeast corner Orchard,	12.5	8.59
Sears,	East side, between Fair and Washington,	152.2	94.60
Second,	Northwest corner Delano,	12.5	8.31
Second,	Both sides, between Potomska and South,	382	170.76
Shawmut avenue,	West side, between Parker and Tilton,	488	225.44
Sixth,	West side, between Cherry and Russell,	110	53.20
State,	Southwest corner Cedar Grove,	12.5	8.86
Summer,	Northeast corner Locust,	12.5	8.79
Summer,	Northwest corner Locust.	12.5	8.69
Summer,	East side, between Merrimac and Robeson,	141.9	75.89
Thompson,	South side, between County and Hyacinth,	295.9	143.71
Thompson,	South side, between Hyacinth and Hall,	85.6	45.21
Thompson,	South side, between Hall and Crapo,	173.7	81.43
Thompson,	North side, between Crapo and Bonney,	230.5	104.87
Thompson,	West side, between Arnold and Court,	544.3	278.90
Tremont,	South side, between James and Roteh,	64	31.41
Union,	South side, between Front street and Acushnet avenue,	203.3	94.33
Washburn,	North side, between Dartmouth and Field,	190.6	108.77
Weaver,	Both sides, between Cedar street and Shawmut avenue,	715.9	327.67
Willis,†		27,428.9	$13,152.64

*To be laid.
†Includes 159.6 feet old stone.

Cost per foot,	$ .481
Cost per foot of stone,	.325
Cost per foot of labor,	.156

CURBING RELAID.

Total cost,	$1,318.49
Cost per foot relaid with new stone,	.52
Cost per foot relaid with old stone,	.139
Length feet curbing relaid with new stone,	1,024.9
Length feet curbing relaid with old stone,	1,656.9

CONCRETE, NEW.

STREET.	LOCATION.	AREA. Square Yards.	COST.
Acushnet avenue,	North of Davis,	39.86	$20.22
Acushnet avenue,	East side, north of Cedar Grove,	86.79	48.31
Acushnet avenue,	East side, north of Coggeshall,	80.92	35.95
Acushnet avenue,	West side, north of Coggeshall,	73.26	29.64
Arnold,	North side, west of Emerson,	77.10	31.37
Ash,	West side, south of Kempton,	103.59	33.66
Bay,	South side, between Ward and Columbia,	69.75	31.25
Bedford,	North side, between Sixth and Seventh,	93.6	34.67
Beetle,	North side, east of Bowditch,	198.8	95.50
Bowditch,	West side, between Cornell place and Cedar Grove street,	171.42	71.34
Campbell,	South side, between Chestnut and Cottage,	159.14	63.04
Cedar,	West side, north of Robeson,	51.17	12.68
Cedar Grove,	North side, east of Acushnet avenue,	405.98	174.48
Cedar Grove,	North side, between Acushnet avenue and Bowditch street,	165.02	75.05
Chancery,	West side, south of Union,	83.30	34.17
Chancery,	East side, between Court and Union,	193.73	60.28
Chancery,	West side, between Court and Union,	76.12	26.11
Chancery,	West side, south of Kempton,	71.20	35.93
Chestnut,	West side, south of Campbell,	64.45	25.54
Chestnut,	East side, north of Pope,	44.40	20.73
Chestnut,	East side, between Pope and Locust,	34.70	19.25
Coggeshall,	North side, west of Grandfield,	87.63	20.16
Coggeshall,	North side, west of Acushnet avenue,	125.35	75.42
Columbia,	West side, north of Clay,	48.63	27.37
Cottage,	East side, between Kempton and Mill,	160.30	76.31
Cottage,	East side, south of Campbell,	72.82	26.77
Cottage,	East side, between Locust and Robeson,	247.01	90.02
County,	East side, between Penniman and Cedar Grove,	289.73	97.82

Court,	South side, east of Chancery,	46.80	13.92
Court,	South side, west of Chancery,	41.83	17.12
Court,	South side, between James and Rotch,	25.00	7.29
Dartmouth,	West side, north of Weaver,	96.58	48.01
Davis,	North side, west of Acushnet avenue,	323.23	147.06
Delano,	North side, west of Front,	85.89	43.25
Division,	South side, west of Water,	79.18	22.57
Emerson,	West side, between Arnold and Union,	357.01	126.33
Fifth,	East side, between Russell and Madison,	63.37	22.43
East French ave.,	West side, between Abbott and Cleveland,	313.83	152.94
Front,	East side, north of Union,	20.03	14.06
Front,	West side, between Cedar Grove and Coggeshall,	42.43	23.48
Grandfield,	West side, north of Coggeshall,	60.2	20.91
Greene,	East side, between Allen and Bedford,	46.45	24.44
James,	West side, south of Union,	216.12	85.28
James,	West side, between Union and Court,	183.88	66.00
Kempton,	North side, between Chestnut and Cottage,	101.97	49.69
Kempton,	South side, west of Cedar,	129.78	56.30
Kempton,	North side, west of Park,	58.61	20.06
Linden,	North side, between Purchase and Pleasant,	213.92	148.79
Locust	South side, between Chestnut and Cottage,	192.4	91.32
Madison,	North side, west of Water,	15.32	7.07
Mill,	South side, between Foster and Hill,	124.71	42.28
Mill,	South side, between Hill and County,	33.94	19.16
Morgan,	North side, west of Cedar,	49.55	16.79
Palmer,	East side, south of Kempton,	67.15	34.35
Palmer,	East side, between Elm and Kempton,	66.15	51.25
Palmer,	West side, between Elm and Kempton,	101.9	51.25
Park,	West side, north of Kempton,	51.28	20.39
Pleasant,	West side, north of Pope,	74.42	31.54
Pope,	North side, between Pleasant and State,	155.75	53.95
Pope,	North side, west of Summer,	85.92	41.21
Pope,	North side, east of Chestnut,	51.55	24.81
Purchase,*	West side, between Middle and Elm,	233.62	
Reynolds,	West side, north of Linden,	41.66	20.30

CONCRETE, NEW.—*Continued.*

Street.	Location.	Area. Square Yards.	Cost.
Robeson,	North side, east of Cottage,	93.00	$39.07
Robeson,	South side, between Cottage and Chestnut,	145.85	53 14
Robeson,	North side, west of Cedar,	33.83	13.31
Richmond,	West side, between Locust and Maitland,	178.75	69.96
Sawyer,	South side, east of Bowditch,	235.63	105.15
Sears,	South side, between Washington and Fair,	128.41	57.31
Shawmut avenue,	West side, between Parker and Tilton,	403.14	157.81
Sixth,	West side, between Russell and Cherry,	23.23	7.10
Thompson,	North side, between Hall and Crapo,	163.95	92.20
Union,	South side, between Emerson and Chancery,	146.15	44.53
Union,	North side, east of Chancery,	115.85	32.13
Union,	South side, west of Chancery,	115.40	42.61
Union,	North side, between James and Rotch,	67.50	21.31
Union,	South side, between James and Rotch,	68.65	27.01
Walnut,	South side, west of Water,	30.63	13.48
Water,	West side, south of Division,	61.81	16.75
Water,	East side, north of Division,	65.07	43.30
Water,	West side, north of Madison,	34.58	15.60
Water,	West side, south of Walnut,	48.22	21.23
Weaver,	East side, west of Dartmouth,	162.15	56.84
Weld,	North side, between Pleasant and State,	193.2	80.48
		9,742.20	$4,018.96

*Cost under widening of Purchase street.

Cost per square yard, $ .422.

CONCRETE REPAIRED.

Total cost,	$1,313.32
Area in square yards, rebuilt,	3,257.89
Cost per square yard,	$ .311
Area in square yards, topcoat,	579.15
Cost per square yard,	$ .256

RECAPITULATION—HIGHWAYS AND STREETS.

GROSS EXPENDITURES.

Macadam, new,	$26,095.02
Macadam, rebuilt,	6,776.42
Macadam, repaired,	1,289.19
Filling and grading,	29,286.35
Curbing, new,	13,152.64
Curbing, relaid,	1,318.49
Gutters, new,	7,633.08
Gutters repaired,	787.77
Concrete sidewalks, new,	4,018.96
Concrete sidewalks, repaired,	1,313.32
Gravel and cinder sidewalks,	5,109.23
Paving, new,	12,573.83
Paving, repaired,	3,299.17
Flagging, repaired,	1,412.64
Crosswalks, repaired,	569.73
Bicycle track, Acushnet Ave., north of Sisson's,	834.94
" " East French Avenue,	741.51
Rebuilding seawall, East French Avenue,	564.62
Collecting ashes,	8,998.60
Sweeping and cleaning streets,	11,250.60
Filling holes in streets,	1,321.03
Removing snow and ice,	1,697.33
Sanding icy walks,	146.26
Picking up small stones,	25.85
Carting stock to city yard,	270.93
Labor handling stock,	256.22
Labor at city stable yard,	549.93
Filling city yard,	42.77
Stable office expenses and salaries,	2,132.55
Main office expenses and salaries,	4,900.93
Janitor,	259.00
Registration clerk,	66.17
Advertising,	47.40
Carriage hire,	120.00
Tools, new and repaired,	507.60
Pumps repaired,	28.47
Street sweeper repaired,	20.13
Road scrapers repaired,	58.10
Sundry small repairs,	103.28
Machinery and renewals, portable crusher,	1,475.85
Printing and binding reports,	25.05

Blanks, printing, stamps, supplies, etc.,		821.88
Expense, Public Works convention, Nashville,		470.25
Wharfage on curbing and crosswalks,		263.50
Miscellaneous items,		660.00
Stock, labor, and teaming, charged at cost,		6,190.97
Stock on hand, December 6, 1897,		7,347.76
		$166,826.42

Cr.

Appropriation,	$147,000.00	
Special appropriation,	20,000.00	
Stock on hand, January 4, 1897,	1,992.10	168,992.10
		166,826.42
Transferred to balance,		$2,165.68

NET EXPENDITURES HIGHWAYS AND STREETS.

Appropriation,	$147,000.00	
Special appropriation,	20,000.00	$167,000.00
Credit balance,		2,165.68
Net expenditure,		$164,834.32

WIDENING OF FOURTH STREET.

School Street to Union Street.

Concrete,	$17.43	
Granolithic walk,	80.87	
Paving,	38.97	$137.27

Cr.

Brought forward from 1896,	$3,342.16
Expended,	137.27
Transferred to balance,	$3,204.89

WIDENING OF PURCHASE STREET.

Elm Street to Middle Street.

Catch-basins,	$105.36	
Concrete,	85.13	
Crosswalks,	29.06	
Curbing,	86.59	
Grading,	136.35	
Gutters,	5.22	
Miscellaneous,	15.57	
Paving,	247.01	$710.29

CR.

Appropriation,	$2,000.00
Expended,	710.29
Transferred to balance,	$1,289.71

WIDENING OF PURCHASE STREET.

Middle Street to Kempton Street.

Crosswalks,	$59.63

CR.

Brought forward from 1896,	$3,010.57
Expended,	59.63
Transferred to balance,	$2,950.94

WIDENING OF UNION STREET.

Acushnet Avenue to Fourth Street.

Additional land damages,	$545.00	
Concrete,	19.86	
Crosswalks,	50.83	
Granolithic walk,	76.16	$691.85

CR.

Brought forward from 1896,	$2,419.86
Expended,	691.85
	$1,728.01

COGGESHALL STREET BRIDGE.

Labor, opening draw,	$52.62	
Wire rope, padlock, oil,	2.02	
Repairs,	133.47	$188.11

CR.

Appropriation,	$400.00
Expended,	188.11
Transferred to balance,	$211.89

NEW BEDFORD AND FAIRHAVEN BRIDGE.

Salaries of drawtender and assistant,	$1,036.61	
Repairs,	1,075.20	
Fitting approach to temporary bridge,	1,127.59	
Moving snow,	12.99	
Coal, oil,	9.76	
Carting curbing and paving,	17.60	
Watchman,	155.99	
Advertising closing of bridge,	30.79	$3,466.53

CR.

Appropriation,	$4,000.00
Expended,	3,466.53
Transferred to balance,	$533.47

DRAINS LAID.

Number.	Size Pipe.	Length. Feet.	Cost.	Average Cost per Foot.
206	5 inch.	6,810	$2,097.84	$ .308
207	6 inch.	7,648	2,916.52	.381
2	8 inch.	196	104.34	.532
2	10 inch.	44	68.08	1.547
417			$5,186.78	

58 drains repaired, cost,	$506.32
196 drains cleared, cost,	495.68
Total cost of drains, new, repaired and cleared,	6,188.78

DETAILS OF SEWERS CONSTRUCTED IN 1897.

STREET.	LOCATION.	SIZE AND MATERIAL. VITRIFIED PIPE. 10 Inch.	12 Inch.	15 Inch.	18 Inch.	24 Inch.	BRICK. 72 Inch.	TOTAL LENGTH.	Greatest cut.	Average cut.	Greatest cut in ledge.	Average cut in ledge.	Cubic yards ledge.	Cubic yards earth.	Total cubic yards excavation.	Cubic yards masonry foundation	No. of Manholes.	Rate of grade in feet, per 100.	Cost of labor.	Cost of labor per foot of length.	Cost of material, teaming, sharpening drills, etc.	TOTAL COST OF SEWER.	Cost per foot of length.	Assessment.	Ordered.	COMMENCED.	FINISHED.	REMARKS.
BY SPECIAL APPROPRIATION.																												
Adams street,	County west 553 feet,	582.4						582.4	10.91	8.74	2.0	1.20	8	651	659		1	8.94, 4.94	$604.71	$1.04	$234.99	$839.70	$1.44	½ Assessed.	May 11, 1897,	June 10, 1897,	June 18, 1897,	
Ashley street,	South line Cove to 50 feet north of Ruth,	561.4						561.4	10.02	8.68				557	557		1	0.75, 2.47	398.48	.71	145.51	543.99	.97	½ Assessed.	Aug. 17, 1897,	Oct. 14, 1897,	Oct. 29, 1897,	
Bellevue avenue, No. 8,	Washburn to Kilburn,													15.93					103.06	118.99			½ Assessed.	Nov. 17, 1896,	Dec. 29, 1896,	Jan. 1, 1897,	See report for 1896.
Bentley street,	Acushnet avenue west 370 feet,	370.0						370.0	9.47	6.10				250	250		1	1.47	100.80	.27	111.26	212.06	.57	½ Assessed.	April 13, 1897,	May 26, 1897,	May 28, 1897,	
Bourne street, No. 2,	Thompson to 100 feet north of Frut,	267.0						267.0	9.77	8.43				250	250		1	0.40	184.51	.69	97.67	282.18	1.06	½ Assessed.	Dec. 15, 1896,	Feb. 15, 1897,	Feb. 25, 1897,	
Bowditch and Tallman sts.,	Holly st. to Acushnet avenue,																		190.20			190.20			Nov. 2, 1897,	Dec. 1, 1897,		Unfinished.
Boland street, No. 3,	Acushnet avenue to Bowditch,																		108.35		268.38	376.73		½ Assessed.	Oct. 20, 1896,	Dec. 2, 1896,	Jan. 2, 1897.	See report for 1896.
Butler street and Brock avenue,	1050.4 feet west of East French avenue to Valentine st.,	1,487.7						1,487.7	13.55	9.91				1,638	1,638		3	0.50, 2.76, 2.50	1,015.86	.68	474.97	1,490.83	1.00	½ Assessed.	June 15, 1897,	July 23, 1897,	Aug. 6, 1897,	
Chancery street, No. 5,	Elm to 100 feet south of Kempton,	446.6						446.6	10.24	8.76				435	435		1	0.75, 1.97	286.45	.64	150.87	437.32	.98	½ Assessed.	May 29, 1897,	July 8, 1897,	July 12, 1897,	
Chancery street, No. 6.	Clinton north.	103.0						103.0	7.82	7.68				103	103		0	1.53	40.10	.39	19.07	59.17	.53	½ Assessed.	Aug. 17, 1897,	Sept. 24, 1897,	Sept. 25, 1897,	
Clinton street,	Clinton north.	256.0						256.0	11.22	9.73				323	323		0	1.00	192.05	.75	41.30	233.35	.91		June 15, 1897,	July 16, 1897,	July 20, 1897,	Lowered.
Clinton street,	County west 228 feet,	353.4						353.4	7.30	6.73				308	308		1	.88	138.74	.39		138.74		½ Assessed.	Sept. 29, 1897,	Nov. 26, 1897,	Nov. 30, 1897,	Cost incomplete.
Dudon street, No. 3,	Chancery to 50 feet west of Ash,	520.0				200.0		720.0	6.40	4.92				470	470		1	0.50	297.60	.41	359.83	657.43	.91	½ Assessed.	April 13, 1897,	May 10, 1897,	May 30, 1897,	
East French avenue,	From River in centre Ruth, thence north 520 feet,	946.8						946.8	12.66	10.96				1,153	1,153		2	1.64, 1.00, 1.16, 0.50	748.11	.79	307.16	1,055.27	1.11	½ Assessed.	Feb. 16, 1897,	April 1, 1897,	April 15, 1897,	
Elm and Reed streets,	From 1025 feet east of Palmer in Elm to 100 feet south of Kempton and to 100 feet south of Elm in Reed,	209.0						209.0	8.56	5.58				130	130		1	1.50, 1.00	97.92	.47	74.17	172.09	.84		Nov. 8, 1897,		Nov. 11, 1897,	
Gez street,	Thatcher st. to West French avenue,	75.4						75.4	7.44	6.56				53	53		0	1.00	47.25	.63		47.25		½ Assessed.	Nov. 9, 1897,	Nov. 24, 1897,	Nov. 24, 1897,	Cost incomplete.
Hazard street,	County west 48 feet,	497.9				308.3		806.2	13.72	10.22	7.9	4.45	298	1,115	1,413		2	0.66, 1.30	2,016.53	2.51	1,064.17	3,080.70	3.82	½ Assessed.	Feb. 9, 1897,	March 15, 1897,	June 8, 1897,	
Holly and Bowditch streets,	Sawyer to 100 feet east of Brook,						150.1	150.1								583	1	0.00	1,504.10	10.02	2,501.62	4,005.72	26.69		Oct. 7, 1896,	June 22, 1897,	Aug. 5, 1897,	
Howland street, No. 3,	From 463.8 feet east of Prospect east 150.1 feet.	283.2						283.2	8.97	8.55				269	269		1	1.60	142.70	.50	104.50	247.20	.87	½ Assessed.	March 23, 1897,	April 24, 1897,	April 26, 1897,	
Merginac street, No. 4,	Chestnut to Summer,	340.0						340.0	8.68	8.50				321	321		1	.97	182.82	.54	120.00	302.82	.89	½ Assessed.	April 27, 1897,	May 24, 1897,	May 26, 1897,	
Mt Pleasant street, No. 2,	From 62.5 feet north of Weld north 340 feet,	100.3						100.3	6.92	6.75				75	75		1	.86	44.00	.44	45.35	89.35	.89	½ Assessed.	April 13, 1897,	April 27, 1897,	April 27, 1897,	
Myrtle street, No. 3,	Linden to south line Durfee Court,	320.6						320.6	9.46	8.31				346	346		1	0.50	193.60	.60	118.05	311.65	.97	½ Assessed.	July 6, 1897,	July 29, 1897,	July 22, 1897,	
Orchard street, No. 6,	Thompson to 100 feet south of Rockland,	398.0						398.0	6.80	5.60				348	348		1	0.50	97.20	.24	118.31	215.51	.54	½ Assessed.	May 4, 1897,	May 12, 1897,	May 13, 1897,	
Pierce street, No. 2,	Court street north 375 feet,	330.0						330.0	12.46	11.43				610	610		1	1.00	506.63	1.54	163.29	669.92	2.03	½ Assessed.	May 11, 1897,	May 13, 1897,	May 19, 1897,	
Pleasant street, No. 3.	William to Elm,																								Aug. 26, 1897,	Oct. 1, 1897,		Unfinished. Part new, part lowered.
Prospect and	Howland to Rockland,	1,358.0				1,358.0		1,358.0	9.55	8.12	3.9	1.92	8	1,626	1,634		3	0.3745										
South streets,	Prospect to County,	1,592.6						1,592.6	9.37	7.76	7.2	4.70	43	1,559	1,602		8	0.372, 1.37	3,757.81	1.27	1,742.24	5,500.05	1.86					
Sawyer street, No. 3,	County west 650 feet,	694.6	693.7	601.3				694.6	13.53	9.54	12.0	3.20	96	763	859		1	0.50, 3.50, 4.58	1,520.53	1.77	471.23	1,700.76	2.45	½ Assessed.	June 1, 1897,	June 16, 1897,	July 8, 1897,	
Second street, No. 12,	Tilton to 50 feet south of Robeson,	383.3	383.3					383.3	6.13	5.87				291	291		1	0.50	172.41	.45	157.43	329.84	.86	½ Assessed.	Jan. 12, 1897,	Feb. 27, 1897,	March 5, 1897,	
Shawmut avenue, No. 5,	Merrimac north 1214 feet.	440.5						440.5	9.97	9.56				468	468		1	1.07	357.90	.58	151.71	509.61	.93	½ Assessed.	May 4, 1897,	May 19, 1897,	May 22, 1897,	
Summer street, No. 2.	From Dunbar and Dartmouth to Hollyhock and Field.	160.4						160.4	8.28	8.16				169	169		1	1.26	74.25	.46	47.18	121.43	.76	½ Assessed.	Aug. 31, 1897,	Sept. 13, 1897,	Sept. 15, 1897,	
Stowell and Field streets,	Acushnet avenue to Purchase and to Austin in Purchase,	877.8	223.0			391.7	686.8	877.8	10.94	8.90				1,013	1,013		1	1.00, 2.15, 0.50	513.00	.58	290.02	803.02	.91	½ Assessed.	May 18, 1897,	June 21, 1897,	June 30, 1897,	
Wamsutta and	Acushnet avenue east 686.8 feet,	614.7						614.7	17.50	10.11				882	882		0	2.16, 2.00										
Merrimac streets,		686.8						686.8	13.00	6.29				1,355	1,355	606	2	0.30	3,500.98	2.69	3,903.14	7,404.12	5.69		Aug. 26, 1897,	Sept. 27, 1897,	Nov. 23, 1897,	
	Total,	10,919.6	1,300.0	601.3		2,258.0	836.9	15,915.8					453	17,531	17,984		40		$18,660.52		$13,386.57	$32,047.09						
BY GENERAL SEWER APPROPRIATION.																												
Almshouse,	River to Almshouse in south lane,	1,490.5						1,490.5	12.65	7.59				1,466	1,466		0	1.83, 2.25, 1.00	$ 961.14	.65	$360.29	$1,321.43	.89			Nov. 7, 1897,			Cost incomplete. Includes cost of two drains.
Earle street,	From Davis across block to Earle 90.264 feet east of Acushnet avenue,	386.0						386.0	14.00	9.33				468	468		0	13.31 6.63, 1.00, 2.56, 4.01	272.54	.76	104.47	377.21	.97			July 13, 1897,	July 16, 1897,	Paid by R. Beetle, et all.
Front and Hicks streets,	From Washburn to 112 feet west of Front,	348.0	348.0					348.0	11.00	9.25				416	416		0	1.00	298.71	.74	101.70	360.41	1.03			March 6, 1897,	March 15, 1897,	Lowered.
Hollyhock street,	In Dartmouth from Stowell to 100 feet east of Field in Hollyhock.	715.7						715.7	10.25	7.97				634	634		1	0.50, 2.16, 1.82	339.34	.47	222.56	561.90	.78			Aug. 9, 1897,	Aug. 14, 1897,	Paid by T. B. Tripp.
Kenyon street.	Belleville avenue to Front,	404.2						404.2	11.97	6.27				282	282		1	1.12	201.00	.50	133.86	334.86	.82			May 5, 1897,	May 8, 1897,	Paid by R. Beetle, et all.
Cove street,	Extended into River,	102.0			102.0			102.0											53.84	.53	45.27	99.11	.97					
	Totals,	13,916.0	1,648.0	601.3	102.0	2,258.0	836.9	19,362.2					453	20,797	21,250		42		$20,747.09			$35,102.01						
	Lengths added to the sewer system,	13,898.0	1,000.3	416.3	102.0	2,258.0	251.3	16,926.4																				

CATCH-BASINS—NEW.

Cost,	$2,671.77
* Number,	48
Average cost,	$57.17
Catch-basins discontinued,	3

* Cost of 4 incomplete.

RECAPITULATION—GENERAL SEWERS.

GROSS EXPENDITURES.

Catch-basins, built,	$2,671.77	
Catch-basins, repaired,	207.65	
Catch-basins, discontinued,	8.10	
Manholes, repaired,	40.96	
Eyeholes, repaired,	43.89	
Culverts and surface drains, new,	132.63	
Culverts and surface drains, repaired,	70.73	
Sewer construction,	1,780.95	
Sewers repaired,	304.02	
Office expenses and salaries,	1,641.64	
Tools, new and repaired,	284.97	
Tool-houses repaired,	11.41	
Catch-basins cleaned,	2,623.51	
Catch-basins flushed,	1.00	
Eyeholes and culverts cleaned,	7.59	
Carting stock to city yard,	70.53	
Blacksmithing,	371.13	
Teaming,	13.73	
Flushing and puddling sewers,	18.00	
Repairs to steam drills,	329.83	
Repairs to steam pump,	187.93	
Twine, marline, canvas, lanterns, etc.,	234.50	
Hose and couplings,	296.11	
Labor, handling stock at city yard,	39.27	
Boilers repaired,	55.75	
Hoisting engine repaired,	2.25	
Registration clerk,	66.19	
Stock furnished highways and streets,	188.21	
" sundry departments,	207.85	
" sundry sewers,	3,943.30	
" sundry persons,	1,390.26	
Drains, new, repaired, and cleared,	6,188.78	
General repairs,	62.71	
Miscellaneous items,	104.20	
Rebate on sewer assessments,	64.74	
Stock on hand, December 6, 1897,	1,385.21	$25,951.30

CR.

Appropriation,	$12,000.00	
Transferred from unappropriated funds,	8,066.79	
Stock on hand, January 4, 1897,	3,206.79	
Transferred to balance,	2,677.72	$25,951.30

NET EXPENDITURES—GENERAL SEWERS.

Appropriation,	$12,000.00	
Transferred to balance,	2,677.72	$14,677.72

NEW SEWERS.

Sundry sewers built,	$32,047.09

CR.

Amount brought forward from 1896,	$3,738.79
Sundry appropriations,	36,545.53
	$40,284.32
Expended,	32,047.09
	$8,237.23
Carried forward to 1898,	1,890.46
Transferred to Unappropriated Funds,	$6,346.77

HIGHWAYS AND STREETS.

CENTRE CRUSHER.

5,353 tons of stone, at 35.20 cents per ton.
32,907 tons of stone, at 43.95 cents per ton.

38,260 tons of stone crushed at an average cost of 17.76 cents per ton exclusive of the cost of the stone.

PORTABLE CRUSHER.

Acushnet Avenue, at Brooklawn Park.

400 tons of stone, at 75.22 cents per ton.
8,827 tons of stone, at 42.92 cents per ton.

9,227 tons of stone crushed, at an average cost of 21.51 cents per ton exclusive of the cost of the stone.

STABLE AND TEAMING ACCOUNT.

Stock on hand, January 4, 1897, (horses, teams, harnesses, hay, straw, grain, etc.,)		$10,940.15
Gross cost for 1897,		34,904.42
		$45,844.57
Received from Water Works, (board of horses,)	$768.00	
" for stable dressing,	197.25	
" for pigs,	94.00	
" from sundry persons,	33.75	
Stock on hand, December 6, 1897,	13,829.33	$14,922.33
Cost of teaming, (including repairs of buildings, and revaluation of stock on hand,)		$30,922.24
Charge for work teams have done,		32,454.90

TEAMING NOTES OF INTEREST.

Cost of hay, straw and grain,	$7,098.32
Paid hostler, assistant, and night watchman,	2,271.02

DEPARTMENT HORSES.

Working horses,	39	
Driving	2	
Total,	41	
Horse shoeing		$785.74
Harness repairs,		431.16

CARTS IN CONSTANT USE.

Double carts,	16
Single carts,	15
Express wagons,	4
Total,	35

EXTRA CARTS, ETC.

Sundown,	1
Light driving wagons,	3
Water carts,	2
Jigger,	1
Single gear,	1
Derrick gears,	2
Sleigh,	1
Road scraper,	2
Street sweeper,	1

Carts repaired and painted,	$2,142.67
City stable repairs,	324.19
Cost of hired teams,	10,435.83

BLACKSMITH SHOP.

Stock on hand, January 4, 1897,		$1,308.90
Gross cost for 1897,		3,627.80
		$4,936.70
Charged to sewers,	$1,023.79	
General sewers,	350.03	
Park commission,	47.67	
Coggeshall street bridge,	10.60	
Stock on hand, December 6, 1897,	1,574.33	3,006.42
Cost of blacksmithing to highways and streets,		$1,930.28

Permits granted by the Board in 1897 are as follows:

Obstructing sidewalks,	172
Disturbing the surface of streets,	188
Locations for poles,	138
Signs,	67
Hitching posts,	52
Awnings,	5
Stepping stones,	1
Flag poles,	4
Flags,	2
Planting trees,	32
Building obstructions,	6
Moving buildings,	22
Drains,	707
	1,396

HIGHWAYS AND STREETS.

	1892.	1893.	1894.	1895.	1896.	1897.
Macadam, new,	$15,725.32	$17,043.81	$8,980.70	$15,120.72	$14,939.84	$26,095.02
Macadam, repaired,	6,129.47	4,444.94	4,486.72	5,892.34	529.48	1,289.19
Macadam, rebuilt,	3,626.29	4,910.70	11,055.19	5,778.19	17,245.91	6,776.42
Streets filled and graded,	23,447.85	26,564.34	19,771.51	13,702.96	17,802.55	29,286.35
Curbing, new and relaid,	18,285.09	9,405.93	4,364.89	7,433.42	12,652.55	14,471.13
Gutters, new,	2,699.50	3,034.17	1,758.75	4,486.01	7,577.69	7,633.08
Gutters, repaired,	2,608.61	1,978.86	3,238.71	901.36	1,946.53	778.87
Concrete sidewalks, new,	2,576.33	2,596.76	2,288.84	3,142.06	4,194.62	4,018.96
Concrete sidewalks, repaired,	2,023.20	2,252.86	1,987.82	860.38	830.20	1,313.32
Gravel and cinder sidewalks,	7,140.97	8,202.82	4,965.23	6,286.95	4,355.31	5,109.00
Paving, new,	5,580.15	18,540.33	2,806.81	8,456.51	4,908.79	12,573.83
Paving, repaired,	6,306.04	7,557.33	7,934.11	3,182.74	3,124.82	3,299.17
Flagging, new,				782.10	362.79	
Flagging, repaired,	3,793.63	4,380.69	2,522.48	1,503.05	1,515.99	1,412.64
Crosswalks, new,	3,027.63	255.09	624.36	361.67	342.40	
Crosswalks, repaired,	566.60	1,656.32	645.58	684.80	462.16	569.73
Drains, new, repaired, and cleared,	9,097.40	8,992.02	5,219.87	4,576.53	5,776.42	
Sweeping and cleaning streets,	7,849.93	8,247.18	7,002.15	7,409.40	5,176.86	11,250.60
Removing snow and ice,	890.59	2,313.98	334.98	479.23	2,009.17	1,697.33
Collecting ashes,	7,439.04	8,311.53	7,515.43	8,201.74	8,722.80	8,998.60
Trimming trees,	623.31	725.45	743.56	446.99	372.03	507.70
Filling holes in streets,	417.09	780.51	1,000.14	766.09	614.80	1,321.03

HIGHWAYS AND STREETS.

MACADAM.	1892.	1893.	1894.	1895.	1896.	1897.
NEW:						
Length in feet,	10,676	9,229	5,751	15,871	17,995	24,364
Area in square yards,	25,644	23,498	12,306	34,506	38,829	39,058
Tons of stone used,	11,843	11,474	6,765	11,770	14,405	24,092
Total cost,	$15,725.00	$17,043.81	$8,980.00	$15,120.72	$14,939.84	$26,095.02
Cost per square yard,	$ .613	$ .725	$ .633	$ .438	$ .384	$ .441
Average tons of stone used per sq. yard,	.462	.488	.466	.341	.371	.408
REBUILT:						
Length in feet,	4,013	4,395	10,992	6,230	21,808	9,139
Area in square yards,	8,755	8,804	22,142	13,014	43,019	19,375
Tons of stone used,	2,500	3,137	8,588	4,689	15,486	6,304
Total cost,	$3,626.23	$4,910.70	$11,055.00	$5,778.19	$17,245.91	$6,776.42
Cost per square yard,	$ .414	$ .557	$ .499	$ .433	$ .40	$ .35
Average tons of stone used per sq. yard,	.285	.356	.387	.359	.36	.325
REPAIRED:						
Length in feet,	4,331	3,132	1,952	4,961		
Area in square yards,	16,376	8,011	3,915	9,922		
Tons of stone used,	3,999	2,170	1,598	2,147		
Total cost,	$6,129.00	$4,445.00	$4,486.00	$5,892.34	$529.48	$1,289.19
Cost per square yard,	$ .295	$ .402	$ .392	$ .271		
Average tons of stone used per sq. yard,	.223	.271	.282	.216		

HIGHWAYS AND STREETS.

PAVING.	1892.	1893.	1894.	1895.	1896.	1897.
NEW BLOCK:						
Area in square yards,	2,039	7,406	1,445	1,447	30	
Cost,	$6,367.54	$16,037.52	$2,677.64	$2,992.45	$55.34	
Cost per square yard,	$3.123	$2.165	$2.049	$2.067	$1.854	
Area in sq. yards, concrete foundation,				1,389	1,242	3,743
Cost,				$4,361.47	$3,117.58	$8,593.77
Cost per square yard,				$3.138	$2.51	$2.295
Area in square yards, asphalt,						1,088
Cost,						$2,807.88
Cost per square yard,						$2.58
COBBLE:						
Area in square yards,	4,888	5,719	401	2,632	3,679	3,314
Cost,	$2,341.27	$2,290.90	$129.17	$1,102.59	$1,074.16	$1,172.18
Cost per square yard,	$ .479	$ .405	$ .366	$ .418	$ .542	$ .405
RELAID COBBLE:						
Area in square yards,	5,372	7,079	16,923	4,374	2,300	5,063
Cost,	$1,883.00	$2,557.00	$7,121.00	$1,214.74	$898.55	$3,299.17
Cost per square yard,	$ .35	$ .361	$ .332	$ .277	$ .35	$ .298
Total cost of paving repairs,	$6,306.04	$7,557.33	$7,943.11	$3,182.74	$3,124.82	

HIGHWAYS AND STREETS.

GUTTERS.	1892.	1893.	1894.	1895.	1896.	1897.
NEW:						
Length in feet,	10,909.	11,560.	11,233.	23,747.	39,760.	40,884.
Average width,	3.81	3.93	3.94	3.47	3.30	3.4
Area in square yards,	4,627.	5,055.	4,929.	9,153.	15,715.	15,448.
Cost,	$2,699.50	$3,034.17	$2,720.94	$4,486.01	$7,577.69	$7,633.08
Cost per square yard,	.583	.60	.552	.497	.482	.489
Cost per foot in length of average width,	.247	.262	.242	.192	.19	.185
REPAIRED:						
Length in feet,	19,109.	17,111.	17,728.	6,375.	8,088.	2,211.
Area in square yards,	7,968.	6,759.	6,744.	2,517.	3,093.	774.
Cost,	$2,608.61	$1,978.86	$2,276.52	$901.36	$1,946.53	$778.87
Cost per square yard,	.327	.292	.322	.257	.384	.305
Cost per foot in length,	.136	.115	.128	.141	.147	.107

HIGHWAYS AND STREETS.

CURBING.	1892.	1893.	1894.	1895.	1896.	1897.
NEW:						
Length.	25,201.	9,076.	4,193.	11,040.	23,583.	27,429.
Cost,	$16,762.82	$5,906.80	$2,684.38	$6,662.44	$11,973.77	$13,152.64
Cost per foot,	.665	.65	.64	.603	.51	.481
Cost of stone per foot,	.485	.48	.47	.43	.35	.325
Cost per foot for labor,	.18	.17	.17	.173	.16	.156
RELAID WITH NEW CURBING:						
Length,	1,426.	3,105.	1,855.	1,077.	301.	1,024.
Cost per foot,	$ .694	$ .682	$ .686	$ .619	$ .512	$ .52
RELAID WITH OLD CURBING:						
Length.	4,395.	9,063.	2,023.	521.	3,099.	1,657.
Cost per foot,	$ .123	$ .118	$ .117	$ .093	$ .115	$ .139

HIGHWAYS AND STREETS.

FLAGGING.	1892.	1893.	1894.	1895.	1896.	1897.
NEW:						
Cost of stone per square foot,	$ .16	$ .16	$ .1525	$ .1525	$ .1525	
Area in square yards,				285.	191.1	
Cost,				$517.84	$319.59	
Cost per square yard,				1.81	1.67	
REPAIRED:						
Area in square yards,	2,419.	4,352.	1,361.	597.	1,220.	
Area new flagging,	1,247.	1,439.	898.	139.	385.	
Area old flagging,	1,172.	2,912.	463.	458.	835.	
Cost,	$3,793.63	$4,380.69	$1.577.77	$1,503.05	$1,515.99	$1,412.64
Cost per sq. yd. of relaying new stone,	1.771	1.736	1.538	1.846	1.423	
Cost per sq. yd. of relaying old stone,	.471	.471	.425	.583	.451	

HIGHWAYS AND STREETS.

CONCRETE.	1892.	1893.	1894.	1895.	1896.	1897.
NEW:						
Area in square yards,	5,342.	5,355.	4,901.	7,431.	11,323.	9,742.
Cost,	$2,576.33	$2,596.76	$2,288.84	$3,142.06	$4,194.62	$4,018.96
Cost per square yard,	.482	.485	.478	.422	.374	.422
REBUILT:						
Area in square yards,	2,490.	2,774.	1,982.	1,451.87	1,255.	3,257.
Cost per square yard,	$ .422	$ .423	$ .441	$ .355	$ .292	$ .311
TOP COAT:						
Area in square yards,	2,461.	3,589.	4,495.	1,024.76	697.	579.
Cost per square yard,	$ .157	$ .231	$ .19	$ .219	$ .249	$ .256

In Board of Aldermen,

Mar. 10, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

3 mo., 10, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898 — CITY DOCUMENT No. 11.

FIFTH ANNUAL REPORT

OF THE

ENGINEERING DEPARTMENT

OF THE

CITY OF NEW BEDFORD,

TO THE

CITY COUNCIL,

BY THE

CITY ENGINEER,

FOR THE YEAR 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

REPORT.

CITY OF NEW BEDFORD,
Engineering Department,
January 1, 1898.

To the City Council of the City of New Bedford.

GENTLEMEN:—In compliance with Section 5 of the ordinance defining the duties of the City Engineer, the following report of the expenses and operations of the Engineering Department for the year ending December 4th, 1897, is respectfully submitted.

EXPENDITURES.

Salaries and pay-rolls,	$7,379.10	
Rent,	645.15	
Janitor's services,	96.00	
Lighting	18.83	
Telephone,	49.00	
Street Railway tickets,	175.00	
Drawing instruments and supplies,	78.34	
Printing, stationery, etc.,	79.94	
Sundry supplies,	40.52	
Repairs to instruments, tapes, etc.,	9.73	
Sundry labor, not in pay-roll,	230.40	
Office furniture and repairs,	78.84	
Reference books,	23.00	
Print cloth, etc., for platting system,	62.75	
Horse and carriage hire,	63.00	
Travelling expenses, postage, express, etc.,	49.24	
Bound stones and setting same,	195.23	
Printing report,	34.27	
General instruments for office and field,	10.33	$9,318.67

RECEIPTS.

Appropriation, regular,	$8,000.000	
Appropriation, special,	1,300.00	
Transfer to balance,	17.55	
By credit second audit,	1.12	$9,318.67
Gross expenditure for full year of 12 months would have been (estimated),	$10,030.17	
Gross expenditure for 1896,	9,759.66	
Increase for full year,	270.51	

The foregoing statement is in accord with the account of the department, as shown by the books of the City Auditor. The department has, however, turned in to the City Treasurer to the credit of unappropriated funds, $80.98, as shown by the following statement, which with a credit of $1.12 due to errors in two accounts, will show that the net cost of the department to the city for the year has been $9,236.57.

EXPENDITURES.

Gross,		$9,318.67
RECEIPTS.		
By credit to unappropriated funds:		
Blue prints,	$54.25	
Blue print paper,	1.30	
Cards,	.85	
Supplies,	5.83	
Maps of City,	18.00	
Tracing of section of City,	.75	$80.98
A. S. Rounseville, second audit,		.62
C. S. Sherman, second audit,		.50
Net expenditure,		9,236.57
		$9,318.67

Grade Crossing Investigation.

The expenditures and receipts for account of the investigation have been as follows:

EXPENDITURES.

Salaries and pay-rolls,	$412.75	
Horse and carriage hire,	7.00	
Sundry supplies,	2.90	
Office furniture,	3.06	
Printing, stationery, etc.,	12.73	
Reports grade crossing laws,	7.00	
Telephone,	19.57	
Travelling expenses, etc.,	307.98	
Sundry labor, not in pay-roll,	126.85	
Expenses grade crossing hearing,	12.75	
Janitor's services,	24.00	$936.59
Balance carried forward,		978.29
		$1,914.88

CR.

By balance January 1st, 1897,	$414.88	
Special appropriation,	1,500.00	$1,914.88
Grade crossing expenditures for the year 1895,	$517.92	
Grade crossing expenditures for the year 1896,	2,067.20	
Grade crossing expenditures for the year 1897,	936.59	
Total expenditures to date,	$3,521.71	

GENERAL CLASSIFICATION OF WORK DONE.	ASSISTANTS' TIME AND COST.				Total Cost.
	Office.		Field.		
	Time.	Cost.	Time.	Cost.	
Assessors' plats,	2,368	$645.52	16	$ 3.15	$648.67
Bench-marks,	424	125.62	67	12.96	138.58
Bound stones,	22	4.62	425	84.09	88.71
Bridges, harbor line,	29	5.38	1	.14	5.52
Catch basins,			31	7.07	7.07
Cemeteries, surveys, etc.,	1,895	448.94	1,606	395.49	844.43
Com. Public Property.	275	60.49	210	51.98	112.47
Correcting office plans,	426	43.04	3	.42	43.46
Dept. Public Works,	265	37.40	172	26.36	63.76
Drains, grades and levels,			60	12.48	12.48
Drains, locations, measures	335	50.42	277	52.41	102.83
Indexing plans,	950	147.21			147.21
New work,	312	66.24	133	26.41	92.65
Office work,	1,221	215.03	29	3.62	218.65
Park commissioners,	82	30.79	22	6.51	37.30
Private work,	86	12.03			12.03
Private parties,	117	24.40	1,102	224.05	248.45
Public buildings,	10	1.21	44	13.47	14.68
Reports of 1896-1897,	344	80.45			80.45
Sewer construction,	892	211.98	570	120.83	332.81
Sewer assessments,	664	92.29			92.29
Soundings,	51	24.01	111	29.52	53.53
Street department,	27	6.17	779	167.49	173.66
Street grades,	150	32.14	115	27.37	59.51
Street layouts,	2,056	530.96	1,379	388.19	919.15
Street numbers,	143	23.98	97	19.58	43.56
Tide gauge,	69	9.87	164	40.34	50.21
Union Street Railway Co.,	43	8.48	3	.77	9.25
Vacations,	1,583	379.92			379.92
Water Works,	13	2.37	186	39.44	41.81
Totals,	14,852	$3,320.96	7,602	$1,754.14	$5,075.10
Administration,					2,304.00
Total cost, exclusive of	special	work on	grade c	rossings,	$7,379.10
Grade crossing investigat'n	810	$324.45	449	$83.96	$408.41
Vacations & legal holidays,	9	4.34			4.34

The assistants at present employed in the Department are: George H. Nye, L. J. Hathaway, Jr., Norman Barstow, Frank H. Murkland, Edward M. Slocum, H. S. Bowie, William H. Chase, Bartlett Allen, Clara W. Phinney. Ira M. Chase, Jr. and Southward P. Negus were temporarily employed during the summer.

The foregoing table shows the distribution of time and salaries of the assistants for the year. The cost of administration is shown as an undivided charge.

The results of this time having been so thoroughly tabulated, as shown by annexed tables, very little remains to be said on the work itself.

I consider it a part of my duty at this time to briefly refer to a few matters which in my opinion justly deserve your careful consideration. Involving, as they do, the ultimate expenditure of large sums of money, it seems to me to be a wise economy to begin early to investigate and understand them.

GRADE CROSSING INVESTIGATION.

It is with sincere feelings of disappointment that I am obliged to inform you that this most important question is no nearer to a practical solution than it was at the beginning of the year.

This department practically completed its plans and estimates early in the year, although considerable has been done since that time in the securing of additional data that was thought might be required by the special commission.

The joint special committee of the Council appointed shortly after the commencement of the year, gave to the subject a great deal of study and thought. Several meetings were held, at which the plans and estimates of this department were carefully gone over and discussed in detail. Boston, Brockton, Bridgeport and New York were visited for the purpose of examining the actual construction involved in the abolition of the grade crossings in these cities. June 8th, the committee submitted a report to your body, which, after a brief and concise review of its investigation of the subject, recommended the abolition of the present grade crossings by the elevation of the

tracks of the New York, New Haven & Hartford railroad from the Acushnet station to the terminus of the railroad at School street. Both branches of your body adopted this report without a dissenting vote. An order was also passed instructing the City Solicitor and City Engineer together with the committee to appear before the Commissioners in support of the general scheme as recommended in the above named report.

At the hearing held by the Commissioners June 9th, the plans and estimates describing the method and probable cost of the actual execution of the city's proposition were very briefly explained. After a general discussion by a number of citizens, the meeting was adjourned without any action by the Commissioners, and no further hearings have been held. Since the hearing, this department has done some work in the way of perfecting the plans and reviewing the estimates, but nothing of importance can be done until further action is taken by the Commission.

I think it proper to state here that while no criticism of plans or estimates was made either by the attorney for the railroad or by the members of the Commission, it was developed at the hearing that certain private interests fear that they will be seriously injured by the elevation of the tracks along the water front. Just how serious and permanent these injuries will be, would no doubt have been fully brought out had the public hearings continued, but it will be well for all to bear in mind that any plan which will eliminate all or any of the crossings south of Maxfield street must cause more or less injury to some private interests. The same interests will not be involved in every plan, but it is safe to say that *some one* will be hurt in any plan that contemplates an improvement of present conditions.

It is perhaps unfortunate that the grade crossing laws

do not provide for making a party to the elimination of grade crossings, private interests that are sure to be injured to some extent by any material change in the railroads, location or grade. I believe, however, that it will be possible either to enlarge upon the plan of the city or to devise a scheme as a whole which when entirely completed, and all connecting interests adjusted, will be a great and permanent public benefit, whose value will far out-weigh any damage done. I think I can safely say that such a plan in its broadest sense, is what the city wishes to see carried out. The only way to accomplish this result, is by the conscientious co-operation of public and private interests, under a liberal interpretation of the fact that this is a work for the future as well as for the present.

It is hardly necessary for me to call attention to the various interests both private and public that are suffering through the delay in arriving at a settlement of this question.

I therefore recommend the early appointment of a grade crossing committee and the taking of the necessary steps to reopen the hearing before the Commission.

SEWERS.

While the heavy rains of the past year were the cause of unusual and heavy expense to the city, they most forcibly demonstrated the insufficient capacity of many of our sewers. If the warning be taken advantage of in time it may not have been such a disaster, after all, as it has been apparent to a few, for several years, that the time was not far distant when much of our sewer system would have to be enlarged.

During the past year, Merrimac street sewer has been extended and enlarged from Acushnet avenue east to the

river. This will relieve to a large extent the flooding of cellars on the line of the sewers of this system, but to surely avoid this trouble in the future, the sewer in Acushnet avenue ought to be enlarged from Merrimac street to Logan street, although we should first know if this is to be a part of the intercepting sewer. The enlargement of the present sewer would probably cost nine thousand dollars.

Tripp's brook sewer is overloaded during heavy rains, causing the flooding of many cellars. That portion of the sewer in Newton street from Kempten street to Hillman street has been in a very bad condition for a number of years and may require rebuilding at any time. As a relief for this system I would propose the construction of a trunk sewer from the present forty-eight inch sewer in Oak street west in Allen to Page street, through Page street to Hawthorn street, thence east to a proposed extension of Park and north through the same to Arnold street, thence by the way of Allen street, Atlantic street, Union street, Newton street, Elm street and Liberty street to Maxfield street. At Arnold street, an overflow connection could be made temporarily with the Tripp's Brook sewer. This new sewer would divide the present Tripp's Brook territory from Hawthorn street north, and if built at a sufficient depth will furnish adequate drainage for the territory west of Tripp's Brook sewer and will also relieve most if not all of the trouble now experienced with the sewers entering Tripp's Brook sewer from the east. That portion from Oak street to Arnold street, about 2,490 feet, should be built immediately.

I will again call your attention to the desirability of extending into the Cove, the fifteen inch pipe laid under the Bonney street sewer. This pipe at present ends at the north line of Cove road, and has no outlet. If extended, it would take care of a great part of the dry weather flow

of this sewer, and by discharging it well into the Cove would relieve for a period much of the nuisance now created at this point.

The sewer in Florence street from Elm street to Kempton street is constantly giving trouble. This can be best relieved by the construction of a sewer east from Florence street to Tripp's Brook sewer, which will require either that Elm street be laid out and accepted from Liberty street to Florence street, or that Middle street be laid out and accepted from Newton street to Florence street, for a location for the sewer.

The outlet of the Coggeshall street sewer is not large enough during heavy storms to take care of the water that is delivered to it. Its capacity should be enlarged from Belleville avenue east.

In addition to enlargement we must soon face the question of providing other outlets for the sewage. It is an expensive problem, but it will be wise economy to face it promptly.

I think it is generally conceded that the only permanent relief for this situation is the construction of an intercepting sewer. I have urged this in previous reports with such information upon the subject as seemed pertinent. It appears to me that the importance of the subject will justify a few additional facts, suggested in part by the experience of the past year.

First, however, I will call your attention to a map of the city, upon which is shown the present systems, a proposed location of an intercepting sewer and proposed extensions of present trunk sewers. These latter had better be taken for the present as suggestive rather than definite, as they are liable to be changed by a more thorough investigation. The division line between the area drained to the river and that drained to Clark's Cove is also indicated. I have also shown alternative locations of portions

of the intercepting sewer, viz., in Front street from Walnut street to Middle street, and in a possible extension of Water street from its present terminus at Hillman street north to a connection with Front street at Wamsutta street. In the former, the existence of ledge in Water street would probably more than offset in cost the greater proximity to tide water of a location in Front street. In the latter case, the extension of Water street would furnish a more direct route and will some day be required by the heavy teaming to the north end.

In further explanation of the intercepting sewer, I will state briefly that it should follow the water front as close as practicable from the "Head-of-the-River" to, say, the foot of Cove street although eventually it should go to the end of Clark's Point, but whether it would be better to carry it to this point by gravity or by pumping, is a question to be determined. The sewers now emptying into Clark's Cove should also be connected with the intercepting sewer by the most direct route, which appears to be through Cove road, County street and Cove street. In order to secure proper depth and pitch, I believe that pumping will be absolutely necessary whenever the sewer is extended to the shore at Cove street.

The cost of an intercepting sewer in the location described will be largely dependent upon its size as well as upon its location. As we have already built our sewers upon the "combined system," i. e., to provide for both rain water and sewage, the question of size will be determined entirely by the amount of rain fall which it is proposed to take care of. I will add that if we provide capacity for any material part of the rain fall, the sewer will be amply able to care for the actual sewage flow for any probable increase in the population of the city.

The Metropolitan sewer system was designed to furnish a capacity of 30 cubic feet (225 gallons) per day (24 hours)

per capita, a very liberal allowance being made for increase in population. Upon this basis, a population, say of 500,000 would furnish 15,000,000 cubic feet of sewage per day or 173 cubic feet per second. Now the actual rainfall discharge into the river of our present sewers, during a moderately heavy rain storm, must be about 865 cubic feet per second, as shown by the table annexed. If we take into consideration the addition of the rainfall on that portion of the north end of the city, south of Tarkiln Hill road, which is not now drained by any sewer, we see that our "rain flow" is enormous; therefore, the proportion which we propose to pass through the intercepting sewer is really the controlling factor in the determination of its size and largely of its cost.

It would be a difficult and expensive problem to separate the sewage from rain water in the districts already sewered, but it has always seemed to me that after a rain has reached a certain intensity, a portion of the discharge from the sewers could be allowed to overflow into the river through the present outlets, without serious detriment to the river either from pollution or filling. I would advise, however, that before further extensive additions are made to the sewer system of the more or less surburban sections of the north and west, careful consideration be given to the adoption of the "separate system" of sewage for these sections. Under this system, surface water would be cared for by itself, and could always be discharged into the river.

The length of the intercepting sewer as shown on the plan, will be as follows:

From outlet into river at Cove street to Belleville road by way of Water street, Middle street, Acushnet avenue, Wamsutta street, Front street, Kilburn street and Belleville avenue,	22,975 feet.
Front street alternative location will add,	575 "
Total,	23,550 "

Water street alternative reduces the first location by 1,450 feet and the second location by 1,075 feet.

Connection between intercepting sewer and sewers now discharging into Clark's Cove, 3,450 feet.

The cost, exclusive of pumping station, machinery and outlet, will probably be not less than five hundred thousand dollars, and may possibly be even double that amount for the reason already stated.

While it is of the utmost importance that the system should be designed as a whole, it is entirely practicable, and in fact desirable for construction to proceed in sections. For instance, as I have repeatedly urged, that portion in the centre of the city from Maxfield street to Howland street should be built first, and even this might take several years.

DRAINAGE AREA AND RAINWATER DISCHARGE OF SEWERS EMPTYING INTO THE ACUSHNET RIVER.

Sewer System.	Drainage Area in Acres.	Slope of Ground per 1000 ft	Rainwater Discharge in cu. ft. per sec.	Size of Outlet of Sewer in Inches.	Estimated Discharge Capacity of Sewer.
Blackmer st.,	17.48	8 ft.	10.80	15 in. pipe.	6. cu. ft.
Coffin ave.,	110.19	18 "	41.87	42 in. brick.	51.5 cu. ft.
Coffin st.,	93.44	25 "	50.40	2-24 in. pipe.	28. cu. ft.
Coggeshall st.,	42.16	10 "	22.20	18 in. pipe.	7. cu. ft.
Copper st.,	47.00	5 "	20.00	24 in. pipe.	10. cu. ft.
Cove st.,	57.88	8 "	22.00	18 in. pipe.	8. cu. ft.
Elm st.,	45.69	40 "	32.85	30 in. brick.	35. cu. ft.
Gifford st.,	21.59	8 "	12.68	18 in. pipe.	9. cu. ft.
High st.,	20.56	35 "	16.80	24 in. box.	20. cu. ft.
Howland st.,	78.45	12 "	37.44	72 in. brick.	216. cu. ft.
Rockland st.,*	103.28	5 "	35.12	30 in. brick.	21. cu. ft.
Maxfield st.,	35.40	42 "	27.65	30 in. brick.	35. cu. ft.
Merrimac st.,	42.00	10 "	24.00	72 in. brick.	134. cu. ft.
Merrimac st.,	190.00	50 "	100.00		
Middle st.,	16.89	33 "	13.60	24 in. pipe.	15. cu. ft.
North st.,	30.41	36 "	23.40	30 in. brick.	35. cu. ft.
Pearl & Pope sts.	41.57	39 "	30.34	2-24 in. pipe.	30. cu. ft.
Sawyer st.,	110.00	50 "	60.00	72 in. brick.	216. cu. ft.
Sawyer st.,	200.00	15 "	78.00		
School st.,	39.22	40 "	30.00	30 in. brick.	35. cu. ft.
Union st.,	26.60	30 "	20.00	30 in. brick.	35. cu. ft.
Wall st.,	4.70	5 "	3.00	12 in. pipe.	3. cu. ft.
Walnut st.,	22.77	32 "	27.16	30 in. brick.	35. cu. ft.
Washburn st.,	31.00	12 "	18.00	24 in. pipe.	20. cu. ft.
Willis st.,	93.00	30 "	52.00	48 in. pipe.	100. cu. ft.
Willis st.,	187.50	8 "	56.00		
	1,708.78		865.31		

* Now connected with Howland street sewer by 24-inch pipe in Prospect street. Overflow provided through old outlet.

Balance of area to Tarkiln Hill road drained to the river=978 acres. Rainwater discharge=about 200 cubic feet per second.

DRAINAGE AREA AND RAINWATER DISCHARGE OF SEWERS EMPTYING INTO CLARK'S COVE.

Sewer System.	Drainage Area In Acres.	Slope of Ground per 1000 ft.	Rainwater Discharge in cu. ft. per sec.	Size of Outlet of Sewer in Inches.	Estimated Discharge Capacity of Sewer.
Orchard st.,	348.5	20 ft.	102.00	48 in. brick.	73 cu. ft.
Bonney st.,	85.00	5 to 25 ft.	58.00	72 in. brick.	205 cu. ft.
Bonney st.,	300.00	5 to 10 ft.	98.00		
Tripp's Brook,	447.00	5 to 30 ft.	325.00	54 in. brick.	85 cu. ft.
Tripp's Brook,	205.00	10 ft.	30.00		
County st.,	52.62	12 ft.	15.00	2-24 in. pipe.	34 cu. ft.
Grit street,	6.75	17 ft.	5.00	10 in. pipe.	2 cu. ft.
Crapo st.,	43.00	5 ft.	20.00	18 in. pipe.	5 cu. ft.
			653.00		404 cu. ft.

Rainwater discharge of preceding table was calculated from Buerkli-Ziegler formula. $Q=1.25CR\sqrt[4]{\frac{S}{A}}$

In which

Q=Maximum flood discharge in cubic feet per acre per second.

C=Coef. of surface.

=0.50 for suburban sections.

=0.60 for thickly settled sections with paved streets.

R=Assumed intensity of rainfall=1 cubic foot per second per acre.

S=Slope of drainage area per 1,000 feet.

A=Area drained in acres.

Tripp's Brook sewer is already connected with the Bonney street sewer by a 24-inch pipe at Grinnell street, so that the latter assists the former to the extent of the capacity of this pipe. But it is quite evident from an inspection of the table that these trunk sewers combined are not sufficient to care for the rain water which will be delivered to them in a heavy storm of long duration. This trouble will grow worse with the extension of paved streets and addition of catch basins in this territory.

It will be observed from an inspection of the above tables, that the estimated rain water discharge of the area at present drained by the main trunk sewers, exceeds in a number of cases the calculated capacity of the sewer. The discharge capacity of the sewers being calculated upon the assumption that they are flowing full but free from pressure, and not under any tidal head. Of course such a theoretical condition cannot exist long at a time. The rain fall assumed of one cubic foot per second per acre is equivalent to one cubic inch of rain per hour. Storms of this intensity are not of frequent occurrence in this city.

During the storm of August 16th, 3.57 inches of rain fell in three hours, an average of 1.19 inches per hour. Without doubt there were periods during the storm when the rate of rain fall was far in excess of the above average. This storm taxed the low level sewers far beyond their capacity, as the result of which many cellars were flooded. Again on November 1st, we had a storm during which 5.67 inches of rain fell in twenty hours, a number of cellars being again flooded. In the first storm the tide was high enough to materially reduce the discharge volume of most of the outlets, but fortunately the tide did not reach an unusual height during either storm or the damage would have been far greater.

STREET LINES AND SIDEWALK GRADES.

During the year, the department has defined street lines for 210 buildings, fences or other structures abutting on the street, and has marked grades of same for 326 buildings, fences, steps, etc., in accordance with the provisions of the ordinance passed in 1896. This is a heavy increase over similar information given in any previous year, but up to this year it was optional with the parties interested as to whether they called for it or not. It is generally agreed that the ordinance is beneficial to both public and private interests, and causes but little inconvenience or delay to parties about to build.

Occasionally mistakes are made by parties in using the grade given. I should like to state for the purpose of avoiding this as much as possible, that for steps, lot-curbing and all other construction on private property, the grade given is the grade (i. e. true surface) of the sidewalk at the street line. This is four inches higher than the regular curb at the gutter opposite that point, for an eight foot sidewalk and five inches higher for a ten foot sidewalk. Top of first step and lot curbing should always be set whatever height above this grade, it is desired that it shall be after the sidewalk is finished to its proper grade. The grade is generally marked upon a stake set opposite the point where it is to be used, and is only true for that particular point. It cannot be moved up or down the street. The mark is made with red chalk, and the directions of "grade" or "1ft., 2ft., etc., high" or "1ft., 2ft., etc., low" means in the first case that the mark is just at the grade of the finished surface of the sidewalk; in the second, that the mark is 1 foot, etc., above the grade; and in the third, that the mark is 1 foot, etc., below the grade. At corners there will most always be two grades given, but the surface of the sidewalk will be finished to the lower mark.

CEMETERIES.

The field work of platting the separate lots of Oak Grove cemetery is not yet completed, although the greater part of the time of two assistants has been devoted to cemetery work. This is partly due to the very intricate layout of the older part of this cemetery and to the extra work done this year in laying out new sections.

Sketch plans have been prepared and submitted to the Cemetery Board, for the layout of a portion of the west part of Rural cemetery and of the recent addition to the north end of Oak Grove cemetery. In the latter, we have made a radical departure from all previous layouts of cemeteries in this city. As the plan was explained at some length by the press, I will simply state that the *motive* of the plan, is to eliminate paths, narrow crooked drives, curbing and as far as possible, individual lot development; providing instead a few wide avenues and large expanses of green lawn, with handsome shade trees and shrubbery. That the resulting effect will be far more in harmony with its use, needs no argument.

In closing, I wish to thank the many citizens and members of the City Council, and of other departments who have from time to time kindly assisted this department.

Respectfully submitted,

WILLIAM F. WILLIAMS,

City Engineer.

Monthly Summary of Tides for the Year 1897.

Months.	Average rise of tides below mean high water.	Average fall of tides below mean high water.	Highest high tide above mean high water.	Lowest high tide below mean high water.	Highest low tide below mean high water.	Lowest low tide below mean high water.
January,	0.897	4.534	1.75	2.40	3.10	5.90
February,	0.670	4.360	0.60	2.00	3.50	5.90
March,	0.892	4.595	1.20	2.60	3.15	6.25
April,	0.978	4.446	1.10	1.90	3.20	5.45
May,	0.711	4.200	0.90	1.90	3.10	5.30
June,	0.621	4.137	1.25	1.65	3.50	4.80
July,	0.659	4.069	1.10	1.60	3.00	5.00
August,	0.460	4.208	0.75	1.90	3.30	4.80
September,	0.598	4.322	0.50	2.00	2.90	5.50
October,	0.665	4.214	0.90	2.30	2.60	6.20
November,	0.750	4.393	0.80	2.40	3.10	5.60
December,	0.885	4.802	1.10	2.60	3.60	6.20
For the year,	0.731	4.356	1.75	2.60	2.60	6.25

Average rise of tide for 1897, 3.625.

Average rise of tides for 1896 and 1897, 3.609.

Average rise of tides below mean high water for 1896 and 1897, 0.698.

Average fall of tides below mean high water for 1896 and 1897, 4.308.

Highest high tide above mean high water since gauge was started, 4.20.

Lowest low tide below mean high water since gauge was started, 6.50.

High water refers to City Datum=0.

STREETS LAID OUT AND ACCEPTED IN 1897.

	Street.	From.	To.	Date.	Width and Length in Feet.			
					20 feet.	30 feet.	40 feet.	50 feet.
1.	Ashland place,	Linden court,	Ashland street.	11, 30, 1897.	487.20			
2.	Bolton road,	Rivet street,	North 856.94 ft.,	6, 4, 1897.				856.94
3.	Bolton road,	856.94 ft. no. of Rivet st	Fair street,	6, 4, 1897.				633.15
4.	Central ave.,	Acushnet ave.,	Bowditch street,	11, 2, 1897.				1,437.62
5.	Clinton street,	Orchard street,	Chancery street,	8, 31, 1897.			1,494.38	
6.	Clinton street,	Chancery street,	Park street,	6, 4, 1897.			276.28	
7.	Cornell place.	Bowditch street,	O. C. R. R.,	6, 4, 1897.		284.71		
8.	Dunbar street,	Bolton road,	Dartmouth street,	8, 3, 1897.				1,237.88
9.	Emerson street,	Kempton street,	North street,	6, 4, 1897.			370.75	
10.	Hazard street,	County street,	Ashland street,	6, 4, 1897.			436.65	
11.	Hemlock street,	Fruit street,	236.72 so. of Rockland.	6, 4, 1897.				617.85
12.	Hemlock street,	Rockland street,	Sears street,	6, 4, 1897.				310.86
13.	Holly street,	Acushnet ave.,	Bowditch street,	2, 2, 1897.				552.23
14.	Kenyon street,	Belleville ave.,	Front street,	4, 27, 1897.			369.80	
15.	Linden court,	Ashland place,	Linden street,	11, 30, 1897.	248.00			
16.	Nash road,	Mt. Pleasant street,	Shawmut ave.,	10, 19, 1897.				1,962.40
17.	Ocean street,	Maple street,	Union street,	2, 16, 1897.			997.21	
18.	Orchard street,	Rivet street,	Rockland street,	7, 6, 1897.				834.96
19.	Park street,	Maple street,	Arnold street,	6, 4, 1897.			342.62	
20.	Riverside ave.,	Earle street,	Belleville ave.,	11, 23, 1897.				1,352.88
21.	Ruth street,	East French ave.,	Brock ave.,	6, 4, 1897.				1,830.70
22.	Salisbury street,	Ruth street,	North 23.26 ft.,	11, 9, 1897,				23.26
23.	Sawyer street,	County street,	West 661.62 ft.,	6, 1, 1897,				661.62
24.	Seventh street,	Bedford street,	North 162.50 ft.,	6, 4, 1897,			162.50	
25.	Sidney street,	Bolton road,	Hemlock street,	8, 3, 1897,				578.34
26.	Sidney street,	Hemlock street,	Dartmouth street,	8, 3, 1897,				665.67
27.	South street,	County street,	West 604 feet,	6, 29, 1897.				604.00

STREETS LAID OUT AND ACCEPTED IN 1897—*Continued.*

Street.	From.	To.	Date.	Width and Length in Feet.			
				20 feet.	30 feet.	40 feet.	50 feet.
28. Stowell street,	Dartmouth street,	Rural Cemetery,	5, 18, 1897.			842.66	
29. Studley street,	County street,	Ashland street,	6, 4, 1897.			536.30	
30. Sylvia street,	River road,	West 1,115.61 ft.,	11, 9, 1897.				1,115.61
31. Taber street,	Page street,	Brigham street,	7, 6, 1897.				1,063.10
32. Tallman street,	Acushnet ave.,	Bowditch street,	8, 10, 1897.				608.72
33. Trinity street,	Cedar street,	Wilson street,	11, 30, 1897.			388.70	
34. Viall street,	Ruth street,	North 2.21 ft.,	11, 9, 1897.				2.21
Total, 24,187.76 feet, or 4.58 miles.				735.20	284.71	6,217.85	16,950.00

STREET WIDENINGS LAID OUT AND ACCEPTED IN 1897.

Street.	From.	To.	Date.	From.	To.	Side.	Length.
1. Adams street,	County street,	West 564.34 ft.,	6, 4, 1897.	40	50	North s.	564.34
2. Coffin avenue,	Acushnet ave.,	East, 1,526.20 ft.,	3, 23, 1897.	40	50	5 ft. each s	1,526.20
3. Cove street,	Harbor street,	Water street,	6, 29, 1897.	50	60	North s.	822.39
4. Cove street,	Water street,	County street,	10, 19, 1897.	50	70	North s.	722.74
							3,635.67

STREET LAYOUTS, ETC., FOR THE BOARD OF PUBLIC WORKS.

Street.	From	To	For	Field Work. Survey Made. Length.	Field Work. Levels Run. Length.	Office Work.		Action by Board of Public Works.
Acushnet avenue,	Nash road	Main street,	Building line,			Plan of street 80 feet wide.		Hearing given.
Adams street,	County street	West 564.34 feet,	Widening,			Plan of street 50 feet wide.	Profile.	Widened.
Ashland place,	County street	Ashland street,	Layout,	707.47	707.47	Plan of street 20 feet wide.	Profile.	
Ashland place,	West of County street	Ashland street,	Layout,	578.90	578.90	Plan of street 20 feet wide.	Profile.	Accepted, Linden court to Ashland street.
Ashland terrace,	Myrtle street	Ashland street,	Layout,	267.82	267.82	Plan of street 40 feet wide.	Profile.	Hearing given.
Bay street,	Dartmouth street	Cottage street,	Layout,		295.70	Plan of street 40 feet wide.	Profile.	Hearing given.
Beacon street,	Ruth street	East French avenue,	Layout,	295.63	295.63	Plan of street 50 feet wide.	Profile.	
*Belleville road,	Acushnet avenue	Church street,	Layout,	2,221.19	2,221.19	Plan of street 50 feet wide.	Profile.	Hearing given.
Central avenue,	Acushnet avenue	Bowditch street,	Layout,	1,437.62	1,437.62	Plan of street 50 feet wide.	Profile.	Accepted.
Clinton street,	Orchard street	Chauncery street,	Layout,	1,494.38	1,494.38	Plan of street 40 feet wide.	Profile.	Accepted.
Clinton street,	Chauncery street	Park street,	Layout,	276.28		Plan of street 40 feet wide.	Profile.	Accepted.
Cornell place,	Bowditch street	O. C. R. R.,	Layout,	284.71		Plan of street 30 feet wide.	Profile.	Accepted.
Cove street,	Harbor street	Water street,	Widening,	822.39	822.39	Plan of street 60 feet wide.	Profile.	Widened.
Cove street,	Water street	County street,	Widening,	772.74	722.74	Plan of street 80 feet wide.	Profile.	Hearing given.
Cove street,	Water street	County street,	Widening,			Plan of street 70 feet wide.	Profile.	Widened.
David street,	Brock avenue	Clark's Cove,	Layout,	778.15	778.15	Plan of street 50 feet wide.	Profile.	Hearing given.
Dunbar street,	Bolton road	Dartmouth street,	Layout,	1,237.88	1,237.88	Plan of street 50 feet wide.	Profile.	Accepted.
Durfee Court,	Myrtle street	Ashland street,	Layout,	252.50	252.50	Plan of street.	Profile.	
Durfee street,	Shawmut avenue	Rockdale avenue,	Establish grade,		3,518.00		Profile.	Established.
Edward street,	Dartmouth street	Field street,	Layout,	600.90		Plan of street 40 feet wide.	Profile.	Hearing given.
Elm street,	Liberty street	Florence street,	Layout,	1,032.99	1,032.99	Plan of street 40 feet wide.	Profile.	Hearing given.
Emerson street,	Kempton street	North street,	Layout,			Plan of street 40 feet wide.	Profile.	Accepted.
Frederick street,	East French avenue	Brock avenue,	Layout,		1,724.30	Plan of street 50 feet wide.	Profile.	Hearing given.
Front street,	Union street	Centre street,	Establish grade,		225.21		Profile.	Established.
Front street,	Belleville road	Acushnet avenue,	Layout,	127.23	127.23	Plan of street 50 feet wide.	Profile.	Hearing given.
Hall's Court,	Union street	William street,	Layout,	371.80		Plan of street 10 feet wide.	Profile.	Hearing given.
Hathaway street,	River street	Acushnet avenue,	Layout,	2,564.49	2,564.49	Plan of street 50 feet wide.	Profile.	Hearing given.
Hathaway street,	Acushnet avenue	Church street,	Layout,	1,700.23	1,700.23	Plan of street 50 feet wide.	Profile.	Hearing given.
Hazard street,	County street	Ashland street,	Layout,	436.65	436.65	Plan of street 40 feet wide.	Profile.	Accepted.
Hemlock street,	Rockland street	Sears street,	Layout,			Plan of street 50 feet wide.	Profile.	Accepted.
High street,	Summer street	Cottage street,	Layout,	439.15		Plan of street 40 feet wide.		
High street,	Cottage street	Ash street,	Layout,		247.00	Plan of street 40 feet wide.	Profile.	Hearing given.
Holly street,	Belleville avenue	Acushnet avenue,	Layout,			Plan of street 50 feet wide.	Profile.	Hearing given.
Holly street,	Belleville avenue	Front street,	Layout,	470.47	470.47	Plan of street 50 feet wide.	Profile.	Hearing given.
Holly street,	Acushnet avenue	Bowditch street,	Layout,	552.23	552.23	Plan of street 50 feet wide.	Profile.	Accepted.
Howard street,	Coggeshall street	Beetle street,	Layout,	323.23	323.23	Plan of street 40 feet wide.	Profile.	
Jenny Lind street,	Kempton street	N. 1175.35 feet,	Layout,	1,175.35		Plan of street 40 feet wide.	Profile.	Hearing given.
Kempton street,	Reed street	W. 200 feet,	Widening,	200.00	200.00	Plan of street 50 feet wide.	Profile.	Hearing given.
Kempton street,	Reed street	W. 200 feet,	Widening,	200.00	200.00	Plan of street 50 feet wide.	Profile.	Hearing given.
Kempton street,	Reed street	W. 200 feet,	Widening,	200.00	200.00	Plan of street 80 feet wide.	Profile.	Hearing given.
Kempton street,	200 ft. w. of Reed st.	Rockdale avenue,	Widening,	158.25	158.25	Plan of street 50 feet wide.	Profile.	Hearing given.
Kempton street,	200 ft. w. of Reed st.	Rockdale avenue,	Widening,	158.25	158.25	Plan of street 60 feet wide.	Profile.	Hearing given.
Kempton street,	200 ft. w. of Reed st.	Rockdale avenue,	Widening,	158.25	158.25	Plan of street 80 feet wide.	Profile.	Hearing given.
Kenyon street,	Front street	Acushnet avenue,	Layout,	749.41	749.41	Plan of street 40 feet wide.	Profile.	Hearing given.
Linden Court,	Austin street	Linden street,	Layout,	380.40	380.40	Plan of street 20 feet wide.	Profile.	Accepted, Austin place to Linden street.
Lombard street,	Thompson street	Rockland street,	Layout,	470 79	470.79	Plan of street 50 feet wide.	Profile.	Hearing given.
Lucas street,	Brock avenue	W. French avenue,	Layout,	1,208.41	1,208.41	Plan of street 50 feet wide.	Profile.	Hearing given.
Merrimac street,	Chestnut street	Cottage street,	Alteration of lines,	218.12	218.12	Plan of street 50 feet wide.	Profile.	Hearing given.
Mt. Pleasant lane,	Mt. Pleasant street	Vine street,	Layout,	335.76				
Mulberry street.	Larch street	Rivet street,	Layout,	159.76	159.76	Plan of street 40 feet wide.	Profile.	Hearing given.
Nash road.	Mt. Pleasant street	Shawmut avenue,	Layout,		1,962.40	Plan of street 50 feet wide.	Profile.	Accepted.
Newton street,	Court street	Elm street,	Layout,	447.75	447.75	Plan of street 40 feet wide.	Profile.	Hearing given.
Norman street,	E. French avenue	Brock avenue,	Layout,		1,799.47	Plan of street 50 feet wide.	Profile.	Hearing given.
Orchard street,	Rivet street	Rockland street,	Layout,	834.96	834.96	Plan of street 50 feet wide.	Profile.	Accepted.
Palmer street,	Court street	Elm street,	Layout,	440.46	440.46	Plan of street 40 feet wide.	Profile.	Hearing given.
Palmer street,	Court street	Elm street,	Layout,			Plan of street 50 feet wide.	Profile.	Hearing given.
Park street,	Maple street	Arnold street,	Layout,	342.62	342.62	Plan of street 40 feet wide.	Profile.	Accepted.
Pierce street,	Union street	Court street,	Layout,	217.82	217.82	Plan of street 40 feet wide.	Profile.	
Riverside avenue,	Earle street	Belleville avenue,	Layout,	1,352.88	1,352.88	Plan of street 50 feet wide.	Profile.	Accepted.
Rockdale avenue,	Dartmouth street	Allen street,	Widening,			Plan of street 80 feet wide.	Profile.	Hearing given.
Ruth street.	E. French avenue	Brock avenue,	Layout,	38.34	1,830.70	Plan of street 50 feet wide.	Profile.	Accepted.
Salisbury street,	Ruth street	N. 23.26 feet,	Layout,	23.26		Plan of street 50 feet wide.	Profile.	Accepted.
Sawyer street,	County street	Mt. Pleasant street,	Layout,	1,670.47	1,670.47	Plan of street 50 feet wide.	Profile.	Accepted, 661.62 feet w. of County.
Seventh street.	Bedford street	N. 162.50 feet,	Layout,	162.50	260.50	Plan of street 40 feet wide.	Profile.	Accepted.
Sidney street,	Bolton road	Hemlock street,	Layout,	578.34	578.34	Plan of street 50 feet wide.	Profile.	Accepted.
Sidney street,	Hemlock street	Dartmouth street,	Layout,	665.67	665.67	Plan of street 50 feet wide.	Profile.	Accepted.
South street,	County street	Crapo street,	Layout,	709.42	709.42	Plan of street 50 feet wide.	Profile.	Hearing given.
South street,	County street	W. 604 feet,	Layout,			Plan of street 50 feet wide.	Profile.	Accepted.
Stowell street,	Dartmouth street	Rural Cemetery,	Layout,	842.66	842.66	Plan of street 40 feet wide.	Profile.	Accepted.
Studley street,	County street	Ashland street,	Layout,	536.30	536.30	Plan of street 40 feet wide.	Profile.	Accepted.
Sylvia street,	River road	W. of Belleville ave.,	Layout,	1,115.61	1,115.61	Plan of street 50 feet wide.	Profile.	Accepted.
Sylvia street.	W. of Belleville ave.	Acushnet avenue,	Layout,	297.37	297.37	Plan of street 50 feet wide.	Profile.	Hearing given.
Taber street,	Page street	Brigham street,	Layout,	1,063.10	1,063.10	Plan of street 50 feet wide.	Profile.	Accepted.
Taber street,	Page street	Brigham street,	Layout,			Plan of street 80 feet wide.	Profile.	Hearing given.
Tallman street,	Acushnet avenue	Bowditch street,	Layout,	608.72	608.72	Plan of street 50 feet wide.	Profile.	Accepted.
Tinkham street,	Acushnet river	Acushnet avenue,	Layout,	2,477.26	2,477.26	Plan of street 50 feet wide.	Profile.	Hearing given.
Trinity street,	Cedar street	Wilson street,	Layout,	388.70	388.70	Plan of street 50 feet wide.	Profile.	Accepted.
Viall street,	Ruth street	North street,	Layout,	2.21		Plan of street 50 feet wide.	Profile.	Accepted.
Washington street,	Fourth street	County street,	Layout,	324.83	324.83	Plan of street 30 feet wide.	Profile.	Hearing given.
Willis street,	Cedar street	Shawmut avenue,	Alteration of lines,	448.33	448.33	Plan of street 40 feet wide.	Profile.	Hearing given.
Wilson street,	Durfee street	N. 415.77 feet,	Layout,	415.77		Plan of street 50 feet wide.	Profile.	
				41,775.63	49,884.68			
*Bolton road,	River street	N. 856.94,	Layout,	or 7.912	or 9,448	Plan of street 50 feet wide.	Profile.	Accepted.
*Bolton road,	856.94 ft. n. of Rivet st	Fair street,	Layout,	miles.	miles.	Plan of street 50 feet wide.	Profile.	Accepted.

Street Grades Established in Addition to Above.

Street.	From.	To.	Date.	Length.
1. Durfee street,	Shawmut ave.,	Rockdale ave.,	4, 13, 1897.	3,518.00
2. Front street,	Union street,	Centre street,	8, 31, 1897.	225.21
				3,743.21

LEVELS TAKEN.

STREET.	FROM.	TO.	LENGTH.	OBJECT.	AT REQUEST OF
Acushnet ave.,	Peckham road,	North,	1,550	To establish grade.	Board of Public Works.
*Acushnet ave.,	William,	Elm,	296	To determine grade.	Board of Public Works.
Almshouse lane,	River,	Almshouse,	1,331	Method of drainage.	Com. on Public Property.
*Armour,	Union,	Arnold,	605	Amount of fill needed.	Board of Public Works.
Bourne,	Thompson,	North,	188	To check grade given.	Private parties.
Bowditch,	Holly,	North,	225	Amount of work to bring to grade.	Board of Public Works.
*Brock ave.,	Butler,	North,	317	Amount of work to bring to grade.	Board of Public Works.
*Brock ave.,	Butler,	South,	1,550	To determine grade.	Water Board.
*Bullock,	Austin,	Durfee,	547	To determine grade.	Board of Public Works.
Cedar,	Kempton,	Mill,	166	To establish grade.	Com. on Public Property.
Chancery,	Kempton,	South,	153	To check grade given.	Board of Public Works.
Chestnut,	Campbell,	South,	82	To check grade given.	Board of Public Works.
Clinton,	Orchard,	County,	464	To establish grade.	Private parties.
Contemplated,	Belleville ave.,	River road,	610	To establish grade.	Private parties.
County,	S.W.cor. Robeson		110	To determine grade.	Private parties.
County,	Studley,	North,	300	To establish grade.	Private parties.
*Diman,	Davis,	Nash road,	938	To establish grade.	Board of Public Works.
*Dudley,	Brock ave.,	W. French ave.,	1,137	Amount of cut needed.	Water Board.
*Earle,	Acushnet ave.,	Front,	450	To establish grade.	Private parties.
Elm	Park,	Liberty,	550	Amount of fill needed.	Board of Public Works.
Farnham,	Thompson,	South,	234	To establish grade.	Private parties.
First,	Howland,	Grinnell,	526	To establish grade.	Board of Public Works.
*Front,	Coffin ave.,	Deane,	286	Amount of fill needed.	Water Board.
Front,	Bullard,	Deane,	205	Amount of fill needed.	Water Board.
Hemlock,	Thompson,	North,		To check grade given.	
High,	Sewer outlet,				Board of Public Works.
Hillman,	Hunter,	Beech,	258	Amount of fill needed.	Water Board.

Howard ave.,	River road,	Belleville ave.,	625	To establish grade.	Private parties.
*Keene,	Chancery,	Liberty,	835	To establish grade.	Private parties.
Kempton,	Cedar,	East,	47	To establish grade.	Com. on Public Property.
Maxfield,	Hunter,	East,	1,205	To determine grade.	Water Board.
Mill road,	Acushnet ave.,	Long Plain road.	305	To establish grade.	Board of Public Works.
Morton court,	Cove,	North,	150	Amount of fill needed.	Water Board.
Mt. Vernon,	Vine,	Shawmut ave.,	1,245	To establish grade.	Board of Public Works.
*North,	Foster,	Hill,	223	To determine grade.	Private parties.
Peckham,	County,	Reynolds,	384	To determine grade.	Board of Public Works.
Peirce,	Elm,	Kempton,	270	To determine grade.	Board of Public Works.
Pleasant,	Elm,	Mechanics' lane,	141	To establish grade.	Board of Public Works.
Pleasant,	William,	Mechanics' lane,	133	To establish grade.	Board of Public Works.
Purchase,	Campbell,	South,	353	To establish grade.	Board of Public Works.
*River road,	Maine,	Howard ave,	2,065	To determine grade.	
*South,	Prospect,	County,	1,472	Method of drainage.	Board of Public Works.
*Summit,	Kempton,	Hillman,	661	To establish grade.	Private parties.
Thompson,	Hemlock,	East,	150	Amount of fill needed.	Private parties.
Thompson,	Crapo,	West,	100	Amount of fill needed.	Water Board.
Tremont,	Arnold,	North,		To check grade given.	Private parties.
Walden,	S. W. cor. Smith,			To check grade given.	
*Water,	Division,	Delano,	467	To determine grade.	Board of Public Works.
*Willow,	Shawmut ave.,	West,	545	To establish grade.	Private parties.
Wilson,	Mt. Vernon,	South,	487	To establish grade.	Board of Public Works.
Total, 24,941 feet, or 4.724 miles.			24,941		

* Profile made.

STREETS NUMBERED.

Street.	From.	To.	Interval In Feet.	Nos. Given.
Bonney,	Allen,	Rivet,	20	56
Bourne,	Fruit,	Spooner,	20	10
Davis,	Riverside ave.,	Railroad,	20	2
Elm,	Ash,	Reed,	20	1
Florence,	Court,	Hillman,	20	21
Hall,	Rockland,	Rivet,	20	14
James,	Arnold,	Court,	20	15
Lindsey,	Court,	Kempton,	25	20
Mill,	Newton,	Rockdale ave,	20	1
Oak,	Dartmouth,	Allen,	20	34
Single numbers given on streets previously numbered,				119

DETAILS OF SEWERS CONSTRUCTED IN 1897.

Street.	Location.	Size and Material. Vitrified Pipe. 10 Inch.	12 Inch.	15 Inch.	18 Inch.	24 Inch.	Brick. 72 Inch.	Total Length.	Greatest cut.	Average cut.	Greatest cut in ledge.	Average cut in ledge.	Cubic yards ledge.	Cubic yards earth.	Total cubic yards excavation.	Cubic yards masonry foundation	No. of Manholes.	Rate of grade in feet, per 100.	Cost of labor.	Cost of labor per foot of length.	Cost of material, teaming, tapping, boring, drilling, etc.	Total Cost of Sewer.	Cost per foot of length.	Assessment.	Ordered.	Commenced.	Finished.	Remarks.
BY SPECIAL APPROPRIATION.																												
Adams street,	County west 353 feet,	582.4						582.4	10.91	8.74	2.0	1.20	8	651	659		1	8.94, 4.94	$604.71	$1.04	$234.99	$839.70	$1.44	½ Assessed.	May 11, 1897,	June 10, 1897,	June 18, 1897,	
Ashley street,	South line Cove to N feet north of Ruth,	561.4						561.4	10.02	8.03				557	557		1	0.75, 2.47	398.48	.71	145.51	543.99	.97	½ Assessed.	Aug. 17, 1897,	Oct. 14, 1897,	Oct. 29, 1897,	
Beverley street,	Washburn to Kilburn,																		15.93		103.06	118.99		½ Assessed.	Nov. 17, 1896,	Dec. 29, 1896,	Jan. 1, 1897,	See report for 1896.
Bourne street, No. 2,	Acushnet avenue west 370 feet,	370.0						370.0	9.47	6.10				250	250		1	1.47	100.80	.27	111.26	212.06	.57	½ Assessed.	April 12, 1897,	May 26, 1897,	May 28, 1897,	
Bowditch and Tallman sts.,	Hollis st. to Acushnet avenue,	267.0						267.0	9.77	8.43				250	250		1	0.40	184.51	.69	97.67	282.18	1.06	½ Assessed.	Dec. 15, 1896,	Feb. 15, 1897,	Feb. 25, 1897,	
Bullard street, No. 3,	Acushnet avenue to Bowditch.																		190.20			190.20			Nov. 2, 1897,	Dec. 1, 1897,		Unfinished.
Butler street and Brock avenue,	1050.4 feet west of East French avenue to Valentine st.,																		368.35		368.38	376.73		⅔ Assessed.	Oct. 20, 1896,	Dec. 2, 1896,	Jan. 2, 1897,	See report for 1896.
Chancery street, No. 5,	Elm to 100 feet south of Kempton.	1,487.7						1,487.7	13.55	9.91				1,638	1,638		3	0.50, 2.76, 2.50	1,015.86	.68	474.97	1,490.83	1.00	⅔ Assessed.	June 15, 1897,	July 23, 1897,	Aug. 6, 1897,	
Chancery street, No. 6,	Clinton north,	446.6						446.6	10.24	8.76				435	435		1	0.75, 1.97	286.45	.64	150.87	437.32	.98	⅔ Assessed.	May 25, 1897,	July 8, 1897,	July 12, 1897,	
Clinton street,	County west 228 feet,	103.0						103.0	7.32	5.68				103	103		0	1.53	40.10	.39	19.07	59.17	.63	½ Assessed.	Aug. 17, 1897,	Sept. 24, 1897,	Sept. 25, 1897,	
Clinton street, No. 3,	Chancery to 50 feet west of Ash,	256.0						256.0	11.23	9.53				323	323		0	1.00	192.05	.75	41.30	233.35	.91		June 15, 1897,	July 16, 1897,	July 20, 1897,	Lowered.
East French avenue,	From River in centre Ruth, thence north 520 feet,	353.4						353.4	7.39	6.73				308	308		1	.88	138.74	.39		138.74		½ Assessed.	Sept. 28, 1897,	Nov. 26, 1897,	Nov. 30, 1897,	Cost incomplete.
Elm and Reed streets.	From 162.6 feet east of Palmer in Elm to 100 feet south of Kempton and to 100 feet south of Elm in Reed,	520.0				200.0		720.0	6.40	4.92				470	470		1	0.50	297.60	.41	359.83	657.43	.91	½ Assessed.	April 13, 1897,	May 10, 1897,	May 30, 1897,	
Gent street,	Thatcher st. to West French avenue,	946.8						946.8	12.66	10.86				1,153	1,153		2	1.64, 1.00, 1.16, 0.50	748.11	.79	307.16	1,055.27	1.11	½ Assessed.	Feb. 16, 1897,	April 1, 1897,	April 15, 1897,	
Harvard street,	County west 48 feet,	203.0						203.0	8.56	5.58				130	130		1	1.50, 1.00	57.92	.47	74.17	172.09	.84		Nov. 8, 1897,	Nov. 11, 1897,		
Holly and Bowditch streets,	Sawyer to 100 feet east of Brook,	75.4						75.4	7.44	6.56				53	53		0	1.00	47.25	.63		47.25		½ Assessed.	Nov. 9, 1897,	Nov. 24, 1897,	Nov. 24, 1897,	Cost incomplete.
Howland street, No. 3,	From 463.8 feet east of Prospect east 150.1 feet,	497.0				308.3		806.3	13.72	10.22	7.9	4.45	298	1,115	1,413		2	0.66, 1.50	2,016.53	2.51	1,064.17	3,080.70	3.83	½ Assessed.	Feb. 9, 1897,	March 15, 1897,	June 8, 1897,	
Merrimac street, No. 4,	Chestnut to Summer,						150.1	150.1								583	1	0.60	1,504.10	10.02	2,501.62	4,005.72	26.69		Oct. 7, 1896,	June 22, 1897,	Aug. 5, 1897,	
Mt. Pleasant street, No. 2.	From 62.3 feet north of Weld north 340 feet,	283.2						283.2	8.07	8.55				269	269		1	1.60	142.70	.50	104.59	247.29	.87	½ Assessed.	March 22, 1897,	April 23, 1897,	April 26, 1897,	
Myrtle street, No. 3,	Linden to south line Durfee Court,	340.0						340.0	8.68	8.50				321	321		1	.97	182.82	.54	120.00	302.82	.89	½ Assessed.	April 27, 1897,	May 24, 1897,	May 26, 1897,	
Orchard street, No. 6,	Thompson to 100 feet south of Rockland,	100.2						100.2	6.22	6.75				75	75		1	.86	44.00	.44	45.35	89.35	.89	½ Assessed.	April 15, 1897,	April 27, 1897,	April 27, 1897,	
Pierce street, No. 2,	Court street north 375 feet,	320.6						320.6	9.46	8.31				346	346		1	0.50	193.60	.60	118.05	311.65	.97	½ Assessed.	July 6, 1897,	July 26, 1897,	July 22, 1897,	
Pleasant street, No. 3.	William to Elm,	398.0						398.0	6.90	5.60				348	348		1	0.50	97.20	.24	118.31	215.51	.54	½ Assessed.	May 4, 1897,	May 12, 1897,	May 13, 1897,	
Prospect and	Howland to Rockland,	330.0						330.0	12.46	11.43				610	610		1	1.00	506.63	1.54	163.29	669.92	2.03	½ Assessed.	May 11, 1897,	May 13, 1897,	May 19, 1897,	
South streets,	Prospect to County,	1,358.0						1,358.0	9.55	8.12	3.9	1.92	8	1,026	1,634		3	0.2745										
Sawyer street, No. 3,	County west 650 feet,	297.6	693.7	601.3				1,592.6	9.37	7.76	7.2	4.70	43	1,559	1,602		8	0.372, 1.37	3,757.81	1.27	1,742.24	5,500.05	1.86		Aug. 26, 1897,	Oct. 1, 1897,		Unfinished. Part new, part lowered.
Second street, No. 12,	From 262 feet to 388.3 feet north of Potomska,	694.6						694.6	13.53	9.54	12.0	3.20	96	763	859		1	0.60, 3.50, 4.58	1,229.53	1.77	471.23	1,700.76	2.45	½ Assessed.	June 1, 1897,	June 16, 1897,	July 8, 1897,	
Shawmut avenue, No. 5,	Tilton to 50 feet south of Robeson,	388.3						388.3	6.13	5.87				291	291		1	0.50	172.41	.45	157.43	329.84	.86	½ Assessed.	Jan. 12, 1897,	Feb. 27, 1897,	March 5, 1897,	
Summer street, No. 2.	Merrimac north 1214 feet,	440.5						440.5	9.97	9.36				468	468		1	1.07	357.90	.58	151.71	509.61	.93	½ Assessed.	May 4, 1897,	May 19, 1897,	May 22, 1897,	
Stowell and Field streets.	From Dunbar and Dartmouth to Hollyhock and Field,	160.4						160.4	8.28	8.16				169	169		1	1.25	74.25	.46	47.18	121.43	.76	½ Assessed.	Aug. 31, 1897,	Sept. 13, 1897,	Sept. 15, 1897,	
Wamsutta and	Acushnet avenue to Purchase and to Austin in Purchase,	877.8	223.0			201.7		1,013	10.94	8.99				1,013	1,013		1	1.00, 2.15, 0.50	513.00	.58	290.02	803.02	.91	½ Assessed.	May 18, 1897,	June 21, 1897,	June 30, 1897,	
Merrimac streets,	Acushnet avenue east 686.8 feet,	614.7					686.8	882	17.50	10.11				882	882		0	2.16, 2.00										
		656.8						656.8	13.00	6.29				1,355	1,355	606	2	0.30	3,500.98	2.69	3,903.14	7,404.12	5.69		Aug. 26, 1897,	Sept. 27, 1897,	Nov. 23, 1897,	
	Total,	10,919.6	1,300.0	601.3		2,258.0	836.9	15,915.8					453	17,531	17,984		40		$18,660.52		$13,386.57	$32,047.09						
BY GENERAL SEWER APPROPRIATION.																												
Almshouse,	River to Almshouse in south lane,																											
Earle street,	From Davis across block to Earle 90.264 feet east of Acushnet avenue,	1,490.5						1,490.5	12.65	7.59				1,466	1,466			1.83, 2.25, 1.00	$ 961.14	.65	$360.29	$1,321.43	.89					Cost incomplete. Includes cost of two drains.
Front and Hicks streets,	From Washburn to 112 feet west of Front,	386.0						386.0	14.00	9.35				468	468		0	13.31 6.63, 1.00, 2.56, 4.01	272.54	.76	104.67	377.21	.97		Nov. 7, 1897,	July 13, 1897,	July 16, 1897,	Paid by R. Beetle, et all.
Hollyhock street,	In Dartmouth from Stowell to 100 feet east of Field in Hollyhock.	348.0	348.0					348.0	11.00	9.23				416	416		0	1.00	258.71	.74	101.70	360.41	1.03		March 6, 1897,	March 15, 1897,		Lowered.
Kenyon street.	Belleville avenue to Front,	715.7						715.7	10.25	7.97				634	634		1	0.50, 2.16, 1.82	339.34	.47	222.56	561.90	.78		Aug. 9, 1897,	Aug. 14, 1897,		Paid by T. R. Tripp.
Cove street,	Extended into River,	404.2			102.0			102.0	11.97	6.27				382	382		1	1.12	201.00	.50	133.86	334.86	.83		May 5, 1897,	May 8, 1897,		Paid by R. Beetle, et all.
	Totals,	13,916.0	1,648.0	601.3	102.0	2,258.0	836.9	19,362.2					453	20,797	21,250		42		$20,747.09			$35,102.01						
	Lengths added to the sewer system,	12,888.0	1,000.3	416.3	102.0	2,258.0	251.8	16,920.4																				

PUBLIC WORKS DEPARTMENT.

Grades for setting curbing,	101
Lines for setting curbing,	3
Grades for laying gutters,	33
Lines for laying gutters,	16
Grades for cutting and filling streets,	45
Lines for cutting and filling streets,	9
Grades for bank walls,	1
Lines for bank walls,	1
Grades for laying asphalt, Pleasant street,	4
Plans and profiles of sewers for construction,	26
Grades for laying sewers,	115
Trips to sewers to measure branches, ledge, etc.,	82
Branches located for connecting drains,	108
Levels or grades for drains,	21
Grades for building catch-basins,	9
Lines for building catch-basins,	3
Lines for cycle path on East French avenue,	3

Measured 7 cargoes of curbing and crosswalk.
Soundings to determine amount of sewer deposit at Coffin street dock.
Plans showing amount of sewer deposit at Coffin street dock.
Soundings at Hathaway's Wharf to determine amount of sewer deposit.
Plan of Hathaway's Wharf to show amount of sewer deposit.
Soundings at Merrimac street for foundations of new sewer.
Maps of accepted streets corrected to date.
Maps of sewers corrected to date.
Estimate of amount of grading required on streets accepted in 1896.
Plan of city stable yard showing arrangement of buildings.
Area of Acushnet ave., Coggeshall st. to Sawyer st. for block paving.
Plan for assessment of 37 sewers.
Correcting plan of sewers for Superintendent Public Works.
Plans of Purchase st., Elm st. to Kempton st. for assessment of betterments.

PARK COMMISSION.

Line at Buttonwood Park for cutting wood.
Plans and specifications for house for the bears at Buttonwood Park.
Staking house for the bears at Buttonwood Park.

BOARD OF ASSESSORS.

Plats of the city corrected to May 1st, 1897, and set of blue prints furnished.

1078 transfers recorded and plans corrected in accordance with the same.
Four surveys made for correcting plans.
New index map of plats furnished.
Map showing precinct and ward lines furnished.
Correcting office maps of streets and sewers.

BOARD OF HEALTH.

Correcting map of sewers for inspector.
Correcting large map of sewers for Board office.
Map of City showing all sewers of City, for each member.

NEW BEDFORD WATER WORKS DEPT.

Grades given for laying pipe, setting hydrants, etc.,	40
Lines given for laying pipe, setting hydrants, etc.,	6

Line given for building near conduit on north side of Nye street.
Profile of Deane street.

WORK DONE FOR PRIVATE PARTIES.

Blue prints of assessment plans for Five Cents Savings Bank.
Map of City corrected for publication.
Plan showing property lines in block—Madison, Orchard, Clinton and County streets.
Plans showing streets and grades for building purposes
Block—County, South and Fair streets.
N. W. corner of County street and Adams street.
Fourth street, Acushnet avenue, Union street and Spring street.
N. W. corner of Moreland's Terrace and Ash street.

COMMITTEE ON PUBLIC PROPERTY.

Grades for filling Dunbar street school lot.
Grades for filling Phillips avenue school lot.
Levels at Brock avenue schoolhouse to set boilers.
Lines and grades for lot curb and filling Dunbar street schoolhouse.
Lines and grades on batter boards for construction of Brock avenue school.
Plan of lot Brock avenue school.
Plan and elevation of retaining wall Dunbar street school.
Curbing plan Phillips avenue school.
Measurement and plans of first floor of Library building.
Measurement and plans of all buildings and each floor of main building at poor farm.

Plan of poor farm.
Plan and elevations of west police station lot for architect.
Lines and grades on batter boards for construction, west police station.
Same checked after rough foundation was laid.
Levels given inside for setting floor timbers.
Lines and grades on batters for alterations at No. 4 Engine House.
Plans of Central Engine House.

COMMITTEE ON STREET LIGHTS.

Plan showing location of electric lights and gas lights in City.

CEMETERY BOARD.

RURAL CEMETERY.

Levels run to establish grades of avenues, 5,096 feet, and profiles made.
Staked 108 additional graves for new Public Ground.
Preliminary staking of five sections with grades for avenues bounding same.
Final survey of three sections and lots staked on same.
Plans made of three sections giving dimensions of lots.
Levels taken in southeast part of cemetery.
Grades established and working plan of sections in southeast part of cemetery made, showing proposed layout.
Grades established and working plan of sections in west part of cemetery made, showing proposed layout.
Levels south of cemetery to determine method of drainage.
Plan for addition on west side of cemetery.

OAK GROVE CEMETERY.

Large index plan of Oak Grove Cemetery for Board rooms.
Preliminary survey of two sections, and grades for avenues bounding same.
Final survey of three sections and lots staked on same.
Plans made of three sections, giving dimensions of lots.
Survey and plan of addition to cemetery on the north.
Survey and plan of addition to cemetery on the east of above.
Cross sections of new additions to Oak Grove cemetery.
Three plans showing designs for improving same.

PINE GROVE CEMETERY.

Staking one section.
Platting graves completed at Rural Cemetery, and twelve sections at Oak Grove Cemetery.

INSPECTOR OF BUILDINGS.

Street line defined for 210 buildings, steps, fences, etc.
Street grade defined for 326 buildings, steps, fences, etc.

PUBLIC LIBRARY.

Map of City showing ward and precinct lines.

GRADE CROSSINGS.

Plans, etc., finished for a public hearing.
Location of buildings on Second, Purchase, Middle and High streets.
Plan of buildings on Second, Purchase, Middle and High streets.
Detail plans of bridges, embankments, retaining walls, viaduct, etc.
Crossing statistics taken at Hillman, Water, Bridge and Union streets.
Same tabulated for use at hearings.

MISCELLANEOUS WORK.

SURVEYS.

Lot on Hillman street east of Summit street to replace stakes destroyed in grading the street.
Lot on Dudley street west of Brock avenue to replace stakes destroyed in grading the street.
Location and plan of houses, walls, fences, trees, etc., on Acushnet avenue, Ball's Corner north 4,366 feet.
Relocation of Bowditch street, Nash road to Tarkiln Hill road.
Relocation of lines of Summer street, Locust street to Robeson street
Survey and plan of intersection of Acushnet avenue and Sawyer street for widening.
Marking course for whaleboat race for Semi-centennial committee.

LEVELS.

Acushnet avenue, at Marvin street, to determine wear of macadam.
County street, near Court street, to determine wear of macadam.
Cove street, near Ashley street, to determine wear of macadam.
In lot west of Park street, from Smith street to Parker street, to find cause of standing water.
Crapo, County and South streets, to determine proper method of draining district.

PLANS AND PROFILES.

Plan of Morgan property, County street.
Plan of block—William, Pleasant, Elm and Sixth streets.
Plan showing street railway tracks in Kempton street, near Rockdale avenue.
Plan showing street railway tracks at Purchase and Weld streets.
Plan of Short street. (Copy of layout.)
Plan of Pine Grove street. (Copy of layout.)
Tracing of Buttonwood Park, for use of U. S. Government to determine camping place.
Plan showing grade of Brock avenue, at corners of intersecting streets.
Plan of land of J. B. Whitehead, part of which is taken in the layout of Hathaway street.
Plan showing construction of Howland street sewer.
Plan showing location of buildings on Reed street for sewer, from measurements taken.
Plan showing location of buildings on Dudley street for sewer, from measurements taken.
Plan showing location of buildings on Second street for sewer, from measurements taken.
Plan showing location of buildings on Holly street for sewer, from measurements taken.
Plan showing location of buildings on Shawmut avenue for sewer, from measurements taken.
Plan showing location of buildings on Mt. Pleasant street for sewer, from measurements taken.
Profile of Prospect street sewer.
Profile of Potomska street sewer.
Profile of Brook street.
Profile of Morgan street.
Check levels run and street grades reduced to "City Datum."
Tide gauge records taken for the year and results tabulated.
"Section plans" showing sewers and connections corrected to date.
Forty-two plans entered in "Sewer Book."
Location of culvert west of Oneko Mill cut off by water pipe.
Locations of old sewers at corner of Merrimac street and Acushnet avenue.
Location of old sewers in Acushnet avenue, south of Wamsutta street.
Distances measured on maps for setting guide boards.
Placing nine guide boards.
Signers obtained for agreement with regard to raising grade of First street.
Index of accepted streets corrected to Dec. 4, 1897.
All street work done by Public Works Department measured and results tabulated.
All drains laid by Public Works Department located and record made.

PLATTING SYSTEM.

	Acres.	Rods.
Total area of private ownership in the entire city,	10,871	21.667
Total area of land owned by city, including parks, cemeteries, school and engine house lots, etc.,	448	73.49
Total area of land owned by U. S. government,	65	56.48
Area of railroad right of way which is exempt from taxation,	84	96.62
Total area in streets accepted and contemplated, as shown on plats,	901	102.94
Total area of entire city,	12,371	31.197

Equivalent to 19.33 square miles.

12,858 separate lots shown on the plats.

The total area of the city is larger than shown in report for 1896 on account of the extension of F. T. Akin & Co.'s wharf and the addition to the new bridge, both over tide water.

A complete list of land owned by the city, with date of purchase, book and page of record at Registry of Deeds, grantor, etc., is on file at this office.

BOUND STONES SET.

S. W. corner Adams street and County street.
S. side Adams street, Snell line.
S. E. corner Ashland street and Hazard street.
S. E. corner Ashland street and Studley street.
N. E. corner Beetle street and Bowditch street.
S. W. corner Beetle street and Acushnet avenue.
N. W. corner Belleville road and Acushnet avenue.
N. W. corner Belleville road and Bowditch street.
N. side Belleville road, angle east of Edison street.
S. W. corner Belleville road and Edison street.
N. E. corner Belleville road and Edison street.
N. E. corner Belleville road and Church street.
S. W. corner Bentley street and Acushnet avenue.
S. E. corner Bentley street and Bowditch street.
N. W. corner Bowditch street and Cornell place.
S. W. corner Brock avenue and Warren street.
E. side Brock avenue, angle south of Warren street.
W. side Brock avenue, angle south of Warren street.
N. W. corner Brock avenue and George street.
S. W. corner Brock avenue and David street.
E. side Brock avenue, north of Woodlawn street.
W. side Brock avenue, north of Woodlawn street.

S. W. corner Brock avenue and Woodlawn street.
S. W. corner Brock avenue and Dudley street.
S. W. corner Brock avenue and Willard street.
N. W. corner Brock avenue and Valentine street.
N. E. corner Brock avenue and Butler street.
S. W. corner Brock avenue and Lucas street.
W. side Brock avenue, angle south of Lucas street.
N. W. corner Central avenue and Acushnet avenue.
N. side Central avenue, first angle west of Acushnet avenue.
N. side Central avenue, second angle west of Acushnet avenue.
N. E. corner Central avenue and Bowditch street.
S. W. corner Central avenue and Bowditch street.
S. W. corner Chancery street and Clinton street.
N. E. corner Chestnut street and Merrimac street.
N. W. corner Chestnut street and Merrimac street.
E. side Chestnut street, angle north of Merrimac street.
W. side County street, angle in South street.
W. side County street, angle south of South street.
S. W. corner County street and Robeson street.
S. W. corner County street and Merrimac street.
S. W. corner County street and Hazard street.
N. W. corner County street and Hazard street.
S. W. corner County street and Studley street.
N. W. corner County street and Studley street.
S. E. corner Hall street and Fair street.
N. E. corner Hall street and Rockland street.
S. E. corner Lucas street and West French avenue.
N. E. corner McGurk street and Brock avenue.
N. E. corner Merrimac street and Cottage street.
E. side Mt. Pleasant street, angle in Adams street.
S. E. corner Mt. Pleasant street and Sawyer street.
E. side Mt. Pleasant street, angle in Sawyer street.
N. E. corner Park street and Maple street.
S. E. corner Park street and Clinton street.
N. W. corner Pierce street and Court street.
S. W. corner Pierce street and Kempton street.
N. E. corner Purchase street and Union street.
S. W. corner Purchase street and Middle street.
N. W. corner Purchase street and Elm street.
N. E. corner Ruth street and McGurk street.
N. W. corner Ruth street and McGurk street.
N. E. corner Ruth street and Brock avenue.
N. W. corner Seventh street and Bedford street, 1 foot in Bedford street.
W. side Seventh street, north of Bedford street.
S. side South street, at west end.

N. E. corner Summer street and Parker street.
N. E. corner Summer street and Pope street.
S. W. corner Summer street and Locust street.
N. E. corner Summer street and Locust street.
E. side Summer street, angle north of Locust street.
S. E. corner Summer street and Merrimac street.
N. E. corner Summer street and Merrimac street.
E. side Summer street, angle north of Merrimac street.
S. E. corner Summer street and Robeson street.
N. W. corner Sylvia street and River road.
N. W. corner Sylvia street and Belleville avenue.
N. side Sylvia street, at west end.
Four bounds lowered.
Two bounds raised.
Two bounds reset.

In Board of Aldermen,

January 13, 1898.

Received, and ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

1 mo., 13, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898—CITY DOCUMENT No. 12.

ANNUAL REPORT

OF

SUPERINTENDENT OF PUBLIC BUILDINGS,

ALSO

INSPECTOR OF BUILDINGS,

FOR THE YEAR 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

REPORT

OF THE

Superintendent of Public Buildings.

For the Year 1897.

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS:
NEW BEDFORD, MASS., Jan. 1, 1898.

To His Honor the Mayor and City Council of the City of New Bedford:

GENTLEMEN:—Complying with the Ordinance defining the duties of the Superintendent of Public Buildings, and of the Inspector of Buildings, the following reports are respectfully submitted.

The new eight room schoolhouse on Phillips avenue and Bowditch street, was completed in March, and occupied at the April term of the present year.

A contract for grading and curbing the school lot, was entered into last October; about three fourths of this work was completed when cold weather set in, the balance will be finished in the early spring, and new concrete walks laid.

This is the first of our city schools in which an automatic system of temperature regulation has been placed,

and the result after several months trial, is quite satisfactory.

When the control of temperature is left to the teacher, uniformity cannot be expected when busily occupied with a class; the extremes are only noticed, and the result is a constantly changing temperature—first too warm and then too cold.

In this system, the temperature is automatically regulated; the control is left with one person, the Principal or the Janitor; the result is a uniform temperature in all the class rooms, no over-heating occuring, there is no waste of steam, and as a consequence, there is a saving of fuel.

Temperature regulation is now in use in many of the best schools in other cities. It was adopted here after its merits had been looked into by the School Committee, and the Committee on City Property in conference in 1896; I am convinced of the wisdom of its adoption.

This school is heated by steam indirect radiation, two tubular boilers being used, with a small auxilary boiler to heat the ventilating flues when steam heat is not needed in the class rooms. There is no lack of heat in the coldest weather.

The ventilation is by the gravity principle, and has been found by tests of the State Inspector, to be up to the requirements.

The new eight room school on Dartmouth and Dunbar streets, was completed and occupied at the beginning of the school year in September.

This school lot required a good deal of filling to bring it up to grade; the filling, grading, and granite lot curbing were all included in the building contract; all being completed at the opening of the school. Concrete walks are laid at the approaches, the street walks are at present of crusher screenings. I would recommend that these walks be laid in concrete.

This school is provided with a better system of school closets, than any that have been heretofore used; the practice has been to use the continuous long iron closet range, divided by partitions into the desired number of seats, flushed automatically from one end, and provided (in those put in during the last four years), with local venilation.

While these range closets are as good as any iron ranges can be, yet the difficulty in keeping clean and free from corrosion anything in this line made of iron, is a serious objection to their continued use.

In this school we have put in what is known as individual porcelain closets, each having a large local vent, with a large roll-rim, thereby doing away with wood seats, which in time would absorb more or less filth.

These closets have the usual pull and chain flush, and also automatic flush, thereby insuring perfect cleanliness at all times. The cost is a little more than that of the range closets, but I am satisfied that the difference in outlay will be more than made up by their durability, and the more perfect sanitation insured.

The inspection of the heating and ventilation of this school made by the State Inspector, give very good results; he commends highly the sanitary arrangements. Appended to his report, he writes: "I am pleased to see that your city has added another to the list of its excellently ventilated school buildings." The temperature control here, is working satisfactorily.

The new eight room school in course of erection on Brock avenue, is well under way, the contracts were let in May; the building is plastered ready for the interior finish. Its completion is expected the first of June next.

This school is located on the site of the present old Clark's Point school; that portion of the lot at the rear of the building will need a good deal of filling, to bring

it up to grade it will be necessary to have the proposed new streets north and south, opened up and graded as far east from Brock avenue as the school yard extends.

This school is built of common brick, the outside walls, also the walls of corridors and vestibules, being faced with Barrington, R. I. smooth brick. These are medium priced brick, the effect being almost equal to the more expensive pressed brick.

This is the third new school building that has been built in this way, the other two being the Clark street and Dunbar street schools. The heating and ventilating will be in line with our other recently erected schools.

In the Cedar Grove street school, it was found necesary to replace the dry closets, (Smead system), which had become unfit for use, by water closet ranges properly ventilated, and connected with street sewer. New slate urinals were put in, also new slate sinks, new and larger iron drain pipe, new Portland cement floors, and the ceilings of sanitary rooms in basement, lathed and plastered.

At the Cedar Street school, the sanitaries had become unfit for use, and were replaced by iron water closet ranges, ventilated, new slate urinals and sinks provided, the entire drainage system was taken out, and replaced by new iron drain pipe.

The basement floors were cemented anew where needed, the chimney fixed to provide ventilation for sanitaries, and the boiler and steam pipes put in good working order.

The old unused wooden school on William street is being fitted up for School Committee headquarters. It is found that the building is well adapted and can be re-arranged so as to make very suitable committee rooms. The work will be completed in April.

Many needed minor repairs have been made in other school buildings, under the direction of the School Committee.

There are a few of our school buildings in which it will be necessary at an early day, to take out the sanitaries now in, and replace them with something better.

The new Police Station now in course of erection, on Kempton and Cedar streets, is roofed in and ready for plastering. This building is intended for a Police Station, Branch Library, and Ward Room, the dimensions are 42x60 feet, two stories high, with 9 foot cellar, built of medium priced Rhode Island face brick, the same as those used in the recently built schoolhouses, granite trimmings, slate roof, copper gutters and conductors. The plastering is of Winsor cement, hard plaster, put on to sheet metal lathing on ceilings, and on to hollow brick on outside walls; the timbering is of mill construction, piped for combination lighting.

The structure is solidly built and well adapted for the uses it is designed for, and quite an ornament as well as of much convenience in that section of the city. The contracts calls for completion in May.

The South Police Station, which was badly damaged by the boiler explosion at the Acushnet Mill, has been put in thorough repair.

In addition to the damage caused by the explosion, it was found necessary to do much other work, in order to put the building in proper condition.

The hot water heating plant was found to be entirely inadequate to properly heat the building; this was remedied by putting in a larger boiler, and adding enough radiating surface to give sufficient heat.

In this connection I wish to say, that the mistake should never be made, in our new buildings, of putting in an inadequate heating plant.

The second story, which is used as a ward room, has been fitted up and is used as a branch library, and the entire building has been renovated, by repairing the plastering,

painting the walls, ceiling and wood work throughout, and cleaning down and oiling the brick work on the outside.

The ward room in the Weld street police station, has been fitted up for a branch library. The roof of this and adjoining fire station have been repaired and painted.

At the different fire stations, some needed alterations and repairs have been made.

There has been a two story addition built to No. 4 house, which gives increased facilities on the first floor and in the work shop in second story; the plumbing throughout, has been done over, and new sanitary stalls put into the stable.

At Station No. 6, a wagon shed has been built, new sanitary stalls put in, and the plumbing overhauled.

Similar stalls have been placed in house No. 7. I trust this good work will go on till all of our fire stations and city stables are supplied with these desirable improvements.

The ventilating plant at the Central Station, which was commenced in 1896, and to which reference was made in my last annual report, has been installed. This is intended to ventilate the sleeping rooms, bath room, etc., in second story and stable in first story, but does not do the work satisfactorily, owing to the imperfect manner in which a portion of the work was done.

This however will be remedied before the work is fully paid for.

Some needed repairs have been made in the City Library building. The city buildings on the whole are in good condition.

Respectfully submitted,

EDMUND O'KEEFE,

Superintendent Public Buildings.

REPORT

OF

INSPECTOR OF BUILDINGS.

REPORT

BUILDING STATISTICS FOR 1897.

The number of permits granted during the year, for new buildings, alterations and repairs was 797, at an estimated cost of $1,357,395.00. Classified as follows:

Dwellings of one or more tenements each,	$805,150.00
Stores and dwellings combined,	57,400.00
Business buildings (stores and offices),	126,980.00
Churches and charitable institutions,	47,300.00
Buildings for manufacturing purposes,	49,725.00
Additions and alterations to dwellings and stores,	87,380.00
Buildings moved, altered and repaired,	43,220.00
Miscellaneous structures (stables, sheds, etc.),	50,240.00
City buildings, new in process, and old added to, and repaired,	90,000.00
Total,	$1,357,395.00

In this grand total there are 310 dwellings, containing 643 tenements, to which should be added 56 tenements over stores, making total number of tenements erected 699, at an estimated cost of $862,550.00.

The number of permits granted in 1896 was 794, number of dwellings erected same year 378. These contained 865 tenements, with 55 tenements over stores added, making the whole number of tenements erected that year 920, at an estimated cost of $960,900.00.

When it is considered that 1896 was one of the best building years that New Bedford has seen, it will be noted that

1897 compares favorably with it, especially so in the character of the dwellings erected in 1897.

The character of the 310 dwellings erected in 1897, may be seen by the following classification:

Dwellings of one tenement each, 116, average cost per tenement,	$2,333.00
Dwellings of two tenements each, 116, average cost per tenement,	1,200.00
Dwellings of three tenements each, 52, average cost per tenement,	1,085.00
Dwellings of four tenements each, 14, average cost per tenement,	814.00
Dwellings of five tenements each, 4, average cost per tenement,	760.00
Dwellings of six tenements each, 8, average cost per tenement,	544.00

It will be seen that the better class of dwellings largely predominate, while the larger tenement blocks are comparatively few. This of itself is quite gratifying.

During the year, 24 written notices of violations of the building ordinance were served. Of these, 6 cases were reported for the action of the Committee on Buildings in the Fire Districts, in all of which the parties have complied with the law. In the other 18 cases, compliance with the law has been effected through the Inspector's office.

Two wooden buildings which had become unsafe, and were a menace to adjoining property, were taken down. One was the dwelling known as Mormon Hall, located on the north side of Howland street, east of Front street. This had been so badly damaged by fire as to be beyond repair; the building had become extremely dangerous to the neighborhood being infested nightly by tramps and mischievous boys. Its removal was finally secured after much correspondence with the owner, who lived in California.

The other was an unused barn, located on the east side

of Fifth street, south of Wing street. This was taken down by the owner, upon being notified that it endangered adjoining property.

Section 45, chapter 481, of the Public Statutes, acts of 1894, reads as follows:

"It shall be the duty of the inspector of buildings of every city or town in the Commonwealth, or if there is no such officer, of the chief engineer of the fire department of every city or town in the Commonwealth, in the month of May of each year to inspect every room of every hotel and lodging house of ten or more rooms above the second story, in the city or town in which he is performing the duty of inspector of buildings, or of chief engineer, and to ascertain if the provisions of this act are complied with, and to report the condition of the rope or other better appliance to the chief of the district police."

In accordance with the above statutes, I have in the month of May, 1897, made an inspection of every hotel and lodging house of ten or more rooms above the second story, in the city, and have reported the result of such inspection to Rufus R. Wade, Chief of the District Police of the Commonwealth.

I would again renew the recommendations made in my report for 1896:

That foundation walls and piers of buildings, shall be laid in cement mortar, and that no wooden posts or old iron pipe tubing be allowed in cellars, for the support of buildings.

That where one or more families are to occupy tenements above the first story, that two flights of stairs, placed as far apart as possible, shall be provided to reach every story, in order to make safe exits in case of fire.

That wooden buildings shall be placed a sufficient distance apart on adjoining lots, to allow facilities for putting out fire; and that where wooden buildings are allowed

nearer the line of adjoining lots than here prescribed, they shall have solid brick or stone walls, to go above the roof, with the openings, if any, in said walls, provided with fire proof shutters.

Also to prevent the erection of stables of any kind nearer than a certain limited distance to dwellings.

There are other matters relating to the building ordinances, and to the fire limits, which I intend to bring to the attention of your honorable body, in due time, through the Committee on Buildings in the Fire Districts.

Respectfully submitted,

EDMUND O'KEEFE,

Inspector of Buildings.

In Board of Aldermen,

May 12, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

5 mo., 12, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898 — CITY DOCUMENT No. 13.

REPORT

OF THE

BOARD

OF

OVERSEERS OF THE POOR

OF THE

CITY OF NEW BEDFORD,

FOR THE YEAR 1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS,
1898.

MEMBERS OF THE BOARD.

CHARLES S. PAISLER,
CHARLES A. B. PETERSON,
THOMAS G. WING.

OFFICERS OF THE BOARD.

CHARLES S. PAISLER,
Chairman.

THOMAS G. WING,
Secretary.

ELLA F. BUCKLYN,
Clerk to the Board.

EDWARD W. DEHN,
Physician, North District.

GEORGE F. LEWIS,
Physician, South District.

AUGUSTUS A. WOOD,
Visitor to the Board.

ANTONE H. SENNA,
Assistant to the Board.

AXEL H. JACKSON,
Superintendent of Almshouse.

MRS. ALBERT A. CHACE,
Matron of Almshouse.

REV. EDWARD WILLIAMS,
Chaplain of Almshouse.

STEPHEN P. COFFIN,
Superintendent of Wood and Coal Yard.

OFFICE, CITY HALL. Open daily (except on Saturday) from 9 to 12.30 and from 2 to 4 P. M. Saturdays, from 9 A. M. to 1 P. M.

REPORT.

To His Honor the Mayor and the City Council of the City of New Bedford.

GENTLEMEN:—The Board of Overseers of the Poor respectfully submit their annual report for the year ending December 6th, 1897.

The total appropriations, subject to the control of this Board for the year 1897 were $46,005.30. There was expended the sum of $47,960.05, leaving a deficit of $1,954.75, which account was closed by transfer from unappropriated funds. There has been during the year reimbursements for the support of poor on account of the Commonwealth, $1,871.45; from cities and towns, $2,385.75; from county treasurer, $120; from individuals, $1,236.65; from farm produce, $749.61; making a total of $6,363.46, which sum has been paid to the city treasurer, leaving the net expenditure on account of the poor $41,598.56.

The general depression in business during the past year has caused a large increase in the number of applicants for aid, consequently the Board were obliged to ask for an extra appropriation. The Board has continued the policy of investigation and visitation at the homes of applicants with beneficial results by exposing the unworthy and fraudulent applications, and again demonstrating that the

most deserving of our worthy poor are the least persistent applicants. Mr. A. A. Wood, the Visitor of the Board, who is charged with the duty of visitation, has been zealous and industrious in the discharge of his onerous duties.

INSANE.

The support of the insane at the hospitals in the Commonwealth has not materially increased during the past year, but the amount for their support, as will be seen by the following tables, is a large item in our expenses.

ALMSHOUSE.

The number of inmates admitted during the past year has increased about 20 per cent. The death rate has not increased but a trifle over last year. Under the able management of Superintendent A. H. Jackson and Mrs. Albert A. Chace, Matron, the inmates receive the best of care, and the house is kept in first class order. Under this head the board desire to call your attention to the much needed alterations to the interior of the Almshouse; the Water Department have extended their mains to the house, and connections have been made with the boiler-house, barn, and one faucet in the kitchen. A sewer of ample size has been laid from the house to the river, but no connections have yet been made with the house. The sanitary arrangements of the house are very ancient, there being only one bathtub on each the male and female side, and the Board most respectfully request that modern bathrooms and water-closets be put in and connections made with the sewer; also stand pipes at each end of the house, with hose connections on each floor for fire purposes. The present method of lighting the Almshouse by oil lamps is in the opinion of the Board dangerous, and should be substituted by electric lights.

We desire to call especial attention to the annexed tables, giving a detailed statement of the receipts and expenditures of the Board, statistics of outside relief and of those in relation to the Almshouse department, together with the report of the physicians to the Board.

In conclusion, the Board feel under obligations to all the employes for their courtesy, kindness and fidelity in the performance of their several duties.

Respectfully submitted,

CHARLES S. PAISLER, Chairman,
T. G. WING, Secretary,
CHARLES A. B. PETERSON.

FINANCIAL STATEMENT.

DR.

To amount of appropriations, $46,005.30

CR.

By amount expended as per monthly audits, as follows:

Months.	Outside Relief.	Lunatic Hospitals.	Cities and Towns.	Alms-house.	Totals.
January,	$1,775.87	$2,280.13	$389.58	$969.64	$5,415.22
February,	1,679.41	149.87	134.29	1,028.58	2,992.15
March,	2,186.12		3.50	1,018.36	3,207.98
April,	1,770.33	2,265.45	78.61	1,230.86	5,345.25
May,	1,649.76	145.37		1,244.71	3,039.84
June,	1,713.91		6.02	1,370.32	3,090.25
July,	2,111.68	2,360.76	135.54	1,272.30	5,880.28
August,	2,485.94	156.93	63.00	1,358.93	4,064.80
September,	2,099.16		122.05	1,669.24	3,890.45
October,	1,862.17	2,374.20	49.79	1,509.81	5,795.97
November,	2,078.05	253.21	51.09	2,855.60	5,237.86
Totals,	$21,412.40	$9,985.92	$1,033.38	$15,528.35	$47,960.05

By transfer to close, $1,954.75.

EXPENDITURE IN DETAIL FOR OUTSIDE RELIEF IN 1897.

Monthly Audits.	Groceries.	Lunatic Hospitals.	Cities and Towns.	Cash Orders.	Salaries.	Physicians and Medicines.	Burials.	Boots and Clothing.	Transportation.	Horse Hire.	Office Expense.	Stationery and Printing.	Board Outside.	Wood and Coal Yard.	Miscellaneous.	Totals.
January,	$801.50	$2,280.13	$389.58	$148.97	$212.49	$155.24	$63.00	$2.75				$21.67		$370.25		$4,445.58
February,	935.75	149.87	134.29	128.85	212.49	170.00	116.00	10.16			$ 0.30	18.76		87.10		1,963.57
March,	1,039.50		3.50	126.85	213.49	170.00	224.25	5.95			50.45	6.00		346.63	$4.00	2,189.62
April,	1,009.50	2,265.45	78.61	119.04	212.49	170.00	73.00	8.60			1.35	8.50	$22.14	145.70		4,114.39
May,	873.00	145.37		167.65	217.16	207.00	58.00	4.51			16.10	46.54		59.80		1,795.13
June,	887.50		6.02	244.45	212.49	184.20	76.00	7.91			7.50	45.56		48.30		1,719.93
July,	801.75	2,360.76	135.54	422.33	212.49	170.75	283.00	15.00		$2.00	107.25	45.06		52.05		4,607.98
August,	729.50	156.93	63.00	237.41	212 49	170.00	184.75	3.20		7.00	29.54	134.25	36.00	741.80		2,705.87
September,	1,189.25		122.05	177.15	235.49	170.00	104.00	15.71		73.70	22.73	20.73		50.40	40.00	2,221.21
October,	1,004.90	2,374.20	49.79	225.48	252.49	170.00	84.00	8.00		4.00	12.55	13.25		62.50	25.00	4,286.16
November,	1,037.70	253.21	51.00	170.02	252.49	194.00	181.00	25.72	$22.62	12.75	64.35	26.15		91.25		2,382.26
Totals,	$10,309.85	$9,985.92	$1,033.38	$2,168.20	$2,445.06	$1,931.19	$1,447.00	$107.51	$22.62	$99.45	$312.13	$386.47	$58.14	$2,055.78	$69.00	$32, 431.70

DETAILED EXPENDITURE AT THE ALMSHOUSE, 1897.

Months.	Flour and Grain.	Dry Goods and Clothing.	Beef, Fish, etc., etc.	Groceries.	Shoes, Hats and Leather.	Furniture and Crockery.	Hardware.	Fuel.	Repairs on Premises.	Carriages, Repairs and Blacksmithing.	Superintendent, Labor and Nursing.	Medicine.	Oils, Paints, etc., etc.	Dressing.	Miscellaneous.	Totals.
January,	$112.74	$70.20	$71.19	$113.92	$17.25	$ 3.94	$15.29	$189.20	$ 6.20	$20.10	$324.44	$21.60	$ 1.57		2.00	$969.64
February,	56.89	39.61	81.19	149.97	18.05	5.83	11.02	135.75		23.71	318.16	61.55	1.85		125.00	1,028.58
March,	77.20	82.74	88.28	166.41	35.24	14.12	40.64	106.25		13.20	349.08	40.65	.65		3.90	1,018.36
April,	117.80	67.41	102.66	274.41	26.09	4.78	5.43	137.20	39.32	44.18	359.32	52.26				1,230.86
May,	106.13	66.76	72.50	128.59	9.53	13.47	42.11	52.69	67.07	17.01	411.52	41.10			216.23	1,244.71
June.	98.85	79.95	75.79	167.67	40.98	2.32	77.91	79.01	32.27	14.23	456.10	74.74			170.50	1,370.32
July,	91.34	84.04	80.37	162.44	32.15	18.83	65.00	19.70	18.35	104.34	509.41	60.20	15.65		10.48	1,272.30
August,	106.55	51.10	83.84	200.12	46.11	28.96	145.79	73.74	36.75	513.02	63.46	9.28				1,358.93
September,	149.28	85.71	90.61	162.53	11.13	93.65	39.61	68.41	36·17	20.25	516.57	43.51	5.49		346.32	1,669.24
October,	138.14	43.86	91.29	289.83	30.50	11.72	47.78	262.50	8.81	32.52	493.06	29.10	3.75		26.95	1,509.81
November,	177.39	150.18	79.35	248.07	19.84	27.22	8.55	46.50	19.26	245.50	919.53	147.39	9.60	$650.06	107.16	2,855.60
Totals,	$1,232.31	$821.57	$917.07	$2,063.96	$286.87	$224.84	$499.13	$1,171.15	$264.20	$1,048.06	$4,720.65	$581.38	$38.56	$650.06	$1,008.54	$15,528.35

STATISTICS OF OUTSIDE RELIEF.

Gross cost of persons outside of almshouse,	$32,431.70
Amount paid for support of persons in state lunatic hospitals, and in other cities and towns, chargeable to this city,	$11,019.30
Number of families aided in 1896,	676
" " settlement here,	357
" " settlement elsewhere,	96
" " state paupers,	221
Number of persons aided,	2,929
" " settlement here,	1,554
" " settlement elsewhere,	418
" " state paupers,	957
Average cost of aid to each family, yearly,	$31.67
" " " person, yearly,	$7.31

TRANSPORTATION.

Number of persons sent to their homes,	26
" " " state almshouse,	58

BURIALS.

Males, 71; females, 67;	138

INSANE.

Number of insane at asylums during the year—Males, 36; females, 41.
Remaining at city expense, Nov. 30, 1897:

At Taunton Lunatic Hospital,	46
Westborough Insane Hospital,	2
Worcester Insane Asylum,	1
Worcester Lunatic Hospital,	1
Medfield Insane Hospital,	9
State Almshouse Hospital,	1
Massachusetts School for Feeble Minded,	1

PAUPERS AIDED ELSEWHERE,

But having settlement here (exclusive of lunatics)—Families, 30; persons, 79.

Amount paid for their support in 1897,	$1,033.38

ALMSHOUSE REGISTER.

Number remaining December 31, 1896, 78

Months.	Admitted.	Discharged.	Remaining.
January,	5	3	80
February,	7	10	77
March,	14	13	78
April,	17	15	80
May,	7	17	70
June,	11	12	69
July,	18	11	76
August,	16	10	82
September,	15	13	84
October,	15	12	87
November,	14	13	88
Totals,	139	129	

Whole number during the year,	217
Discharged during the year,	129
Remaining November 30, 1897,	88
Average daily number,	84

PRODUCTS OF FARM FOR 1897.

Hay,	95 tons.
Straw,	7 "
Corn fodder,	15 "
Potatoes,	675 bushels.
Carrots,	10 "
Onions,	31 "
Turnips,	550 "
Parsnips,	20 "
Peas,	20 "
String beans,	10 "
Sweet corn,	4,390 ears.
Cabbage,	6,000 heads.
Milk,	33,115 quarts.
Fowl,	690 pounds.
Pork,	5,500 "
Veal,	761 "
Beets,	12 tons.
Squashes,	8¾ "
Oats,	355 bushels.

Celery, tomatoes, melons and cucumbers in abundance.

REPORT OF THE PHYSICIAN

OF THE

North District

TO THE

BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—I herein submit to you a report of the work done by myself for the Board during the year.

Whole number of house visits made, twenty-eight hundred and fifty-two (2,852). Number of office consultations, five hundred and sixty-eight (568). The Almhouse was visited one hundred and eleven (111) times. There occurred during the year in my district and under my supervision at the Almshouse, nineteen (19) deaths, and seven (7) cases of childbirth.

I feel that there is a general satisfaction among the poor, from the appreciable gratitude with which my efforts have been greeted.

To the Board of Overseers of the Poor I acknowledge my sincere appreciation for their kindness. The clerk, visitor, superintendent of Almshouse and his attaches have always been courteous and attentive, which have added greatly toward making my relations with the Poor Department ever a pleasant memory.

Very truly yours,

EDWARD W. DEHN.

REPORT OF THE PHYSICIAN

OF THE

South District

TO THE

BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—I respectfully submit the following report for the year ending December 1, 1897.

Whole number of house visits made eighteen hundred and seven (1807.) Number of office visits, four hundred and six (406.) Visited the Almshouse seventy-five (75) times. There occurred twenty-six (26) deaths, and eighteen (18) births.

For the many courtesies extended to me by the officers of the Poor Department, I wish in this way to publicly acknowledge my thanks, and also avow the great benefit of the district nurse to the sick poor.

Respectfully submitted,

GEORGE F. LEWIS.

In Board of Aldermen,

April 28, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

4 mo., 28, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898—CITY DOCUMENT No. 14.

FOURTH ANNUAL REPORT

OF THE

DEPARTMENT OF PARKS

OF THE

City of New Bedford,

1897.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, CITY PRINTERS.
1898.

COMMISSIONERS.

CHARLES S. ASHLEY,
GEORGE P. BAILEY,
MORGAN ROTCH,
CHAS. O. BRIGHTMAN,
JOHN ELDRIDGE, JR.

OFFICERS.

CHAIRMAN EX-OFFICIO,
CHARLES S. ASHLEY.

SECRETARY,
WILLIAM S. COOK.

SUPERINTENDENT,
CHARLES F. LAWTON.

REPORT.

City of New Bedford,
Office of Park Commission,
Odd Fellows Building.

January 1, 1898.

To the City Council of the City of New Bedford:

Gentlemen: — The Board of Park Commissioners herewith present the third annual report of their doings for the year 1897.

At the first meeting in January the Board organized with Hon. Charles S. Ashley, Mayor, Chairman ex-officio; George P. Bailey, President of the Common Council, George F. Bartlett, Charles O. Brightman and John Eldridge, Jr.

As provided by statute the Board organized for the year in May at which time the present officers were re-elected. Hon. Morgan Rotch became a member of the Board at this time in place of George F. Bartlett whose term had expired.

During the year forty-one meetings have been held.

The appropriation of sixteen thousand ($16,000.00) dollars made by your honorable body was found sufficient only for the maintenance of the parks as they now exist. The steady increase of the amount required to keep our parks

in the good condition they now are is made necessary by the yearly increasing use which the public makes of them. The attendance at all of the parks within our jurisdiction was never so great as during the year just closed. No better evidence that the public approval is stamped upon the park disbursements can be asked for. From this public approval we are led to believe that our citizens desire something more than we now possess in the way of park lands. The Commission of 1895, following the recommendations of Messrs. Olmsted, Olmsted & Eliot concerning Buttonwood Park, made the following recommendation to the City Council, viz: —

"While the area comprised within the lines of Buttonwood Park remains largely in the same condition as when purchased by the City, the opportunity for development is good, and it would seem advisable to supplement what we already have by the purchase of additional land on both the north and south, making Kempton and Hawthorn streets the respective boundaries.

"We believe that if nothing in the way of improvement at this park is done, sufficient land should be purchased at the north to connect this park with Kempton street.

"In winter, the large skating pond attracts thousands of people who naturally reach the park by use of the street cars on Kempton street. Entrance to the public property can only be effected then by crossing private property, which is a decidedly objectionable feature. With Brooklawn as the "summer park," and Buttonwood as the "winter park," we feel that the property alluded to at Buttonwood should be immediately purchased."

We now renew this recommendation for your consideration.

We are of the opinion that the annual appropriation for the use of this department should be of such amount that this Board can carry on each year the work of de-

veloping and improving our park lands. This development should follow along well defined lines, each year's work to have its greatest value shown upon the completion of the general scheme of improvement. The department is prepared to start this work at such time as your honorable body makes an appropriation to meet the expense.

During the past year Brooklawn Park has proved the most popular of our parks, which, of course, is due to its more improved condition. The Board has under advisement a proposition to construct a skating pond at this park, which would furnish facilities for this most popular of winter sports at the north portion of the City. The park would then prove as equally a strong attraction in the winter as in the summer.

Buttonwood Park remains in nearly the same form as one year ago. Despite this fact, the number of visitors at this park has been large during the summer. During the city's Semi-Centennial celebration, the parade ground proved to be of great value, and whatever course of development at this park is followed in the future, this feature should be allowed to remain. A band stand has been erected near the parade ground. The skating pond has continued to attract many thousands of skaters during the winter.

The work at the other smaller parks has been of little amount. The Common during the summer was never in finer condition to meet the demands made upon it. The lawns and flower beds have been maintained at a high standard, and have proved that money spent in this line brings most favorable results.

Triangle Park was put in good condition, and by the addition of flower beds at a slight expense is a great improvement to the adjacent property.

No work of any note has been done at Marine Park during the year. Just how to put this park in permanent con-

dition and then furnish our people with proper facilities to enjoy the great benefits to be derived from a park of this kind, has been a question of much thought and consideration. This Board is desirous to open up the great possibilities of the property to the best advantage and propose submitting for approval some definite plan of work.

Attention is respectfully called to the reports of the officers of the Commission, which show in detail the department work for the year, all of which is respectfully submitted.

CHARLES S. ASHLEY,
GEORGE P. BAILEY,
CHARLES O. BRIGHTMAN,
JOHN ELDRIDGE, Jr.,
MORGAN ROTCH,
Park Commission.

FOURTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF PARKS

FOR THE YEAR 1897.

Superintendent's Report.

OFFICE OF SUPERINTENDENT OF PARKS,
ODD FELLOWS BUILDING,
January 1, 1898.

To the Park Commissioners of the City of New Bedford.

GENTLEMEN:—The fourth annual report of the work of this department for the eleven months ending December 4, 1897, is herewith submitted.

BROOKLAWN PARK.

No extensive improvements have been made here, but there has been an effort to improve the general appearance of the entire park. Some of the old walks have been widened, and some new ones built. The slopes around the pond and the island have been paved with small cobbles, which prevents the banks from being undermined, and keeps the water cleaner. A good-sized deer-pen is in course of construction, inside of which is a neat and commodious shelter house for the deer. A shed to hold wagons and tools has been built on the north side of the house. We have received a peacock as a gift from A. R. Frissell. For improvements at Brooklawn the coming year I would suggest, as in my two previous reports, the making of a skating pond in the north field, where the natural contours of the ground are such that but little excavating will need to be done. The excavated material can

be used right at hand to fill in the low ground between the two park entrances on Acushnet avenue.

The drive through the woods should be widened to allow carriages to pass. The ground west of the grove should be cleared and drained, preparatory to being laid out into walks and drives.

For the benefit not only of Brooklawn but of all the parks, I would suggest the advisability of erecting a greenhouse, where we can grow and take care in winter of plants for all our parks, instead of apportioning them out amongst the florists of the city, and bringing them back in the spring when ready for setting out.

BUTTONWOOD PARK.

The improvements made here consist of a band stand, erected at the time of the Semi-Centennial Celebration, a monkey house, and a bear house. The number of visitors has, according to the figures kept by the keeper, increased rapidly in the past year. The necessity of an entrance from Kempton street, opposite the pond, is felt very much during the skating season. The following gifts have been received during the year:

One deer from Joseph Peck, Fairhaven.
One pair raccoons from Eugene Perry.
One possum from Eugene Perry.
One pair grey squirrels from Pearl Ashley, Fairhaven.
Two pair Guinea pigs from Mr. Tuell.
One pair rabbits from Mrs. Harry Chapman.
One woodchuck from Clinton Wordell, Dartmouth.
One monkey from Mrs. Bowker.
One pair crows from Dudley Davenport.
One pair hawks from John Thompson.
One pair China ducks from Charles Calhoun.
One pair India geese from Frank Bertram.

One fox from Gustavus E. White.

Six tumbler pigeons from George F. Gibbs.

No work of importance has been done at any of the other parks, with the exception of the Common, where we have succeeded during the year in making the change from a play ground to a garden quite marked, and hope in the coming year to accomplish still more in this direction. If the city should see fit to have an attractive fountain or a small pond in this park, the flat space west of the State street walk offers a very suitable location.

At Marine Park it is desirable that the sea-wall be backed up with gravel, thus making a good walk on the inside of the wall.

Respectfully submitted,

C. F. LAWTON,

Superintendent.

SECRETARY'S

Fourth Annual Statement

OF

PARK EXPENDITURES

Secretary's Report.

NEW BEDFORD, Dec. 4, 1897.

To the Chairman and Members of the Park Commission.

GENTLEMEN :—I submit herewith the fourth annual report of the receipts and expenditures of the Department of Parks for the year 1897. Owing to the passage by the City Council of the ordinance closing the fiscal year upon the first Monday in December, the report this year shows but eleven months work and expenditure.

Respectfully submitted,

WM. S. COOK,

Secretary.

STATEMENT OF PARK EXPENDITURES.

COMPARATIVE STATEMENT.

1892,	$77,936.87
1893,	5,734.79
1894,	24,458.95
1895,	21,321.17
1896,	10,054.26
1897,	14,834.89
	$154,340.93

ITEMIZED STATEMENT.

1892–7.

Buttonwood Park,	$57,341.35
Brooklawn Park,	54,327.39
Common,	20,319.63
Marine Park,	8,541.94
*City Hall Square,	462.67
Triangle Park,	649.16
Grove Park,	9,222.47
Pine Grove Park,	632.58
Office and miscellaneous,	2,843.74
	$154,340.93

*Now maintained by Committee on Public Property.

FINANCIAL STATEMENT FOR THE YEAR 1897.

Dr.			Cr.		
Buttonwood Park,	$5,065.17		Appropriations,	$16,000.00	
Brooklawn Park,	5,824.49		Credits,	74.25	
Common,	3,072.52				
Triangle Park,	42.64				
Grove Park,	241.42				
Office expenses,	588.65				
Balance carried to unappropriated funds,	1,239.36				
		$16,074.25			$16,074.25

MAINTENANCE OF BUTTONWOOD PARK.

Keeper,	$676.00		Credits,	$ 48.00	
Police,	497.50		Net expenditure,	5,017.17	
Labor, general,	1,470.41				
Cages and repairs,	810.43				
Band stand,	567.90				
Teaming,	210.18				
Animals and maintenance,	461.84				
Tools and supplies,	234.97				
Cement, dynamite, etc.,	60.84				
Light,	74.10				
Express,	1.00				
		$5,065.17			$5,065.17

MAINTENANCE OF BROOKLAWN PARK.

Keepers,	$1,261.30		Credits,	$ 24.50	
Labor, general,	2,228.48		Net expenditure,	5,799.99	
Police,	509.11				
Teaming,	270.67				
Animals and maintenance,	194.74				
Tools and supplies,	360.36				
Lumber and paint for and labor on cages,	619.66				
Flowers and seeds,	183.79				
Pipe, cement and screenings,	164.88				
Uniforms for police,	31.50				
		$5,824.49			$5,824.49

MAINTENANCE OF COMMON.

Keeper,	$551.00		Credit,	$ 1.75	
Labor, general,	1,686.33		Net expenditure,	3,070.77	
Plants, seeds, etc.,	447.89				
Teaming,	52.77				
Tools and supplies,	131.79				
Light,	183.26				
Blacksmithing,	19.48				
		$3,072.52			$3,072.52

MAINTENANCE OF TRIANGLE PARK.

Plants,	$30.00		Net expenditure,	$42.64	
Carting,	4.72				
Sign,	.50				
Labor,	7.42				
		$42.64			$42.64

MAINTENANCE OF GROVE PARK.

Supplies,	$161.49		Net expenditure,	$241.42	
Painting settees,	56.41				
Repairing settees,	23.52				
		$241.42			$241.42

OFFICE EXPENSES.

Salaries of superintendent and clerk,	$553.92		Net expenditure,	$588.65	
Stationery and printing,	34.73				
		$588.65			$588.65

TO WHOM AND FOR WHAT MONEY WAS PAID DURING 1897.

Feb. 15.	E. C. Taber, supplies for animals,	$13.65
	Highways and streets, carting animals,	.67
	" " " stock used in repairing,	.75
	Hatch & Co., express on monkey cage,	.25
	J. L. Mott, Iron Works, urinal,	160.00
	C. H. Brownell & Sons, 4 galvanized iron pans,	2.20
	" " " supplies for animals,	29.44
	Highways and streets, clearing pond,	18.28
	Bliss & Nye, 2 mamouth lamps,	6.50
	Denison Bros. Co., 4000 brick,	9.82
	Frank B. Manchester, 890 lbs. cabbage,	8.90
	Highways and streets, 3 snow shovels,	1.05
	N. B. Gas and Edison Light Co., 27 lights,	10.80
	Mercury Pub., Co., 50 ordinances,	2.75
Mar. 15.	Ames Plow Co., 3 knives for ice planes,	45.00
	C. H. Brownell & Sons, supplies for animals,	31.19
	Denison Bros. Co., 6,720 brick,	16.50
	Hatch & Co., express from Worcester,	1.00
	Chas. C. Monroe, 6 bantams,	4.50
	N. B. Gas & Edison Light Co., 6 arc lights,	37.50
	F. L. Sowle & Co., pliers, hinges, screens, etc.,	1.15
	Greene & Wood, lumber,	17.23
	Perry P. Jenney & Son, cross cut saw,	1.75
	E. C. Taber, supplies for animals,	13.12
	Wm. R. West, paint,	8.30
	Walter Burpee,,seeds and bulbs,	4.70
	N. P. Hayes, 1 emery,	.15
	N. B. Gas & Edison Light Co., lights,	8.80
Apr. 15.	General sewers, pipe and cement,	13.99
	Geo. D. Richards, brooms,	4.00
	E. H. Pierce, diamond hose,	9.00
	Geo. Kirby, Jr. & Co., oil, India red, etc.,	15.75
	T. S. Corson, coal,	31.78
	P. Black, setting up topmast,	4.19
	Highways and streets, grading,	249.27
	" " " culvert,	9.32
	" " " setting posts,	11.10
	" " " ice plane,	33.57
	" " " clearing snow from pond,	45.26
	" " " screenings,	1.91
	" " " brooms, wrench,	5.10
	C. H. Brownell & Sons, supplies for animals,	26.60

	P. Black, setting up topmast,	4.19
	E. C. Taber, supplies for animals,	13.01
	Highways and streets, dressing,	93.78
	" " " carting and laying dressing,	67.55
	" " " painting, flagging, etc.,	1.92
	F. L. Sowle Co., nails,	.34
	Blossom Bros., lumber and labor on same,	3.95
	DeWolf & Vincent, netting, tacks, etc.,	5.60
	" " " "	2.25
	Blossom Bros., lumber,	13.56
	P. Black, setting up topmast,	4.18
	N. B. Gas & Edison Light Co., lights,	11.06
	Highways and streets, dressing,	164.86
	" " " loading and carting dressing,	71.71
	" " " moving snow,	31.34
	" " " carting, etc.,	2.07
	" " " dressing,	7.42
	" " " loading dressing,	4.72
	" " " repairing and painting seats,	56.41
May 15.	C. H. Brownell & Sons, supplies for animals,	32.37
	Geo. Kirby, Jr. Co., oil,	2.00
	F. L. Sowle & Co., supplies,	3.83
	Thomas M. Hart & Co., flag and covers,	24.70
	N. B. Gas & Edison Light Co., lights,	10.20
	A. W. Allen, saw,	.25
	David Duff & Son, coal,	10.13
	DeWolf & Vincent, supplies,	20.37
	Geo. E. Hatch, pipe, labor, etc.,	39.13
	C. G. & G. A. Randall, lumber and carting,	3.98
	E. C. Taber, supplies for animals,	15.48
	T. M. Hart & Co., 10 yards duck,	2.00
	E. & K. C. Terry, lumber and carting,	100.74
June 15.	C. H. Brownell & Sons, supplies for animals,	27.84
	DeWolf & Vincent, supplies,	4.65
	Greene & Wood, lumber and carting,	4.29
	Geo. Kirby, Jr. & Co., India red,	8.00
	A. W. Perkins & Co., zinc and tacks,	4.85
	E. C. Taber, supplies for animals,	14.83
	William R. West, paint, oil, etc.,	29.50
	E. & K. C. Terry, lumber and carting,	2.64
	DeWolf & Vincent, supplies,	77.00
	George D. Richards, broom,	.55
	Abiatha Rogers, cedar posts,	11.40
	Wood, Brightman & Co., hose,	6.50
	N. B. Gas & Edison Light Co., lights,	16.80

	DeWolf & Vincent, supplies,	4.35
July 15.	C. H. Brownell & Sons, supplies for animals,	32.25
	Greene & Wood, lumber and carting,	5.40
	Thomas M. Hart & Co., American ensign,	7.50
	Hillman, Washburn & Co., supplies,	5.41
	Richard E. Nofftz, plants stored,	2.50
	F. L. Sowle, hinges, hooks, etc.,	.76
	William S. Brown, flowers and seeds,	131.09
	Blossom Bros., lumber, sawing and planing,	1.89
	Charles D. Clough, cedar posts,	7.00
	DeWolf & Vincent, supplies,	2.45
	E. C. Taber, supplies for animals,	14.41
	DeWolf & Vincent, supplies,	7.00
	Thomas M. Hart & Co., repairing flag,	6.25
	Hillman, Washburn & Co., shovels,	1.05
	N. B. Gas & Edison Light Co., lights,	22.00
	William Pierce, plants,	1.35
	John Rennex, plants,	10.00
	F. S. Brightman, record book,	8.00
	E. Anthony & Sons, ordinances and pay roll blanks,	4.90
	Hillman, Washburn & Co., screws,	1.49
Aug. 15.	C. H. Brownell & Sons, supplies for animals,	36.14
	DeWolf & Vincent, lawn mower, etc.,	16.50
	General sewers, cement, dynamite, etc.,	1.53
	Samuel Gratto, wheels for squirrel cage,	5.50
	Blossom Bros., lumber, carting and planing,	6.51
	DeWolf & Vincent, shears and hook,	1.35
	General sewers, pipe,	22.94
	H. B. Remington, labor of teams,	59.25
	E. C. Taber, supplies for animals,	19.32
	Wood, Brightman & Co., hose,	13.00
	" " repairing pump,	10.50
	Wilson & Wordell, lawn seed,	19.00
	Abiatha Rogers, cedar posts,	2.20
	N. B. Gas & Edison Light Co., lights,	21.66
	P. P. Jenney & Son, screws, cleaning mower, etc.,	5.82
	DeWolf & Vincent, supplies,	9.39
Sept. 15.	Isaac C. Sherman & Son, supplies for animals,	8.00
	C. F. Lawton, paid for monkeys,	30.00
	Highways and streets, stock, labor and teaming,	61.24
	Greene & Wood, lumber for cage,	11.21
	DeWolf & Vincent, lawn mower, etc.,	18.00
	N. B. Gas & Edison Light Co., lights,	19.00
	Perry P. Jenney, lawn mower supplies,	10.42

	Highways and streets, supplies, teaming, etc.,	163.27
	" " repairing and carting seats,	23.52
	" " making signs,	.50
Oct. 15.	C. H. Brownell & Sons, supplies for animals,	76.96
	DeWolf & Vincent, supplies,	.36
	Hillman, Washburn & Co., netting, staples, etc.,	83.25
	N. P. Hayes, nails and hinges,	3.98
	DeWolf & Vincent, padlocks,	1.00
	E. C. Taber, supplies for animals,	27.90
	" " lumber and carting,	75.19
	Thomas M. Hart & Co., repair flag,	3.10
	" " American ensign,	10.00
	" " repairing flag, etc.,	.90
	N. B. Gas & Edison Light Co., lights,	19.00
	Suffolk Engraving Co., views and printing sheets,	8.20
	Hatch & Co., express on inserts,	.25
	R. H. Woodhouse, plants and care of park,	30.00
Nov. 15.	F. T. Akin, 1 gallon Japan,	.80
	C. H. Brownell & Sons, supplies for animals,	45.99
	George E. Hatch, pipe, etc.,	3.70
	New Bedford Gas & Edison Light Co., lights,	25.20
	William R. West, paint and labor for band stand,	47.91
	Nat. C. Smith, drawings and superintendence of band stand,	30.00
	C. G. & G. A. Randall, lumber and shingles,	49.13
	George D. Richards, baskets,	1.50
	DeWolf & Vincent, hoes, rakes, files, etc.,	5.53
	A. W. Perkins & Co., asphalt felt,	.55
	E. C. Taber, supplies for animals,	21.62
	Wm. R. West, India red, oil,	6.50
	N. B. Gas & Edison Light Co., lights,	22.40
	Perry P. Jenney, supplies and labor,	4.36
Dec. 15.	Acushnet Sawmill Co., sawdust,	1.20
	Bliss & Nye, chimneys,	.50
	P. Black, housing topmast, etc.,	4.13
	C. H. Brownell & Son, supplies for animals,	45.97
	Chas. O. Brightman, labor on band stand,	481.62
	" " " carting,	3.50
	" " " shingles,	4.87
	Denison Bros. Co., brick,	11.20
	Highways and streets, labor on bear cages,	65.98
	" " " labor, screenings, oil, etc.,	38.32
	Chas. F. Manchester, cabbage,	19.94
	N. B. Gas & Edison Light Co., arc lights,	11.40
	Wood, Brightman & Co., supplies,	11.33

	P. Black, housing topmast,	4.13
	DeWolf & Vincent, supplies,	11.52
	" " copper vane,	28.00
	General sewers, pipe,	.57
	Greene & Wood, lumber and carting,	34.57
	A. B. Hathaway, plants,	52.70
	Highways and streets, deer pen,	79.89
	" " " bicycle rack,	9.15
	" " " shed and band stand,	45.23
	" " " carting,	24.44
	" " " screenings,	106.40
	" " " flagging, stone, oil, etc,	6.23
	S. C. Lowe, nails,	8.70
	H. B. Remington, use of horse,	59.10
	" " 4 ducks,	3.00
	M. C. Swift & Son, coats for police,	24.00
	E. C. Taber, supplies for animals,	21.10
	C. E. Westgate, posts and labor,	65.62
Dec. 15.	P. Black, housing topmast,	4.13
	DeWolf & Vincent, supplies,	4.50
	General sewers, dynamite and fuse,	.53
	A. B. Hathaway, plants,	57.39
	Highways and streets, dressing,	56.94
	" " " carting and blacksmithing,	32.70
	Perry P. Jenney, labor and supplies,	6.14
	N. B. Gas & Edison Light Co., lights,	21.60
	Geo. H. Nye, pictures for report,	3.00
	Frank B. Sistare, stock and labor at bear, monkey and skating houses,	516.40
	Isaac C. Sherman & Son, apples,	5.75
	Blossom Bros., lumber,	19.15
	C. G. & G. A. Randall, lumber,	111.47
	Henry P. Willis, police helmets,	7.50
		$5,560.29

In Board of Aldermen,

April 14, 1898.

Received, and ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

4 mo., 14, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898—CITY DOCUMENT No. 15.

THIRD

ANNUAL REPORT

OF THE

CEMETERY BOARD,

FOR THE YEAR 1897.

NEW BEDFORD:
MERCURY PUBLISHING CO., CITY PRINTERS.
1898.

Cemetery Board.

JAMES DELANO, *Chairman.*
WILLIAM SANDERS.
CHARLES H. VINAL, *Secretary.*

CHARLES F. CORNELL, *Superintendent.*
PARDON A. MACOMBER, *Clerk.*

SEXTONS:

NELSON L. PIKE,	Rural Cemetery.
HURLBERT E. THOMAS,	Oak Grove Cemetery.
ANDREW J. SKIFF,	Pine Grove Cemetery.

OFFICE:
Merchants Bank Building,
Room 304.

REPORT.

City of New Bedford,
Office of Cemetery Board,
New Bedford, Mass., Dec. 6, 1897.

To the City Council, City of New Bedford.

Gentlemen:—

THE Board of Cemetery Commissioners respectfully submits its third annual report, the same being for the year ending December 6, 1897.

RECEIPTS AND EXPENDITURES.

Dr.

Annual appropriation, Feb. 12, 1897,	$14,800.00
Appropriation, special, Oct 19, 1897,	4,000.00
Receipts, labor on lots,	7,244.98
	$26,044.98

Cr.

Expenditures, general,	$23,089.99
Balance to new account,	2,954.99
	$26,044.98

RECEIPTS AND EXPENDITURES. SALE OF LOTS.

Dr.

Balance old account,	$ 462.51
Receipts to Dec. 6, 1897,	4,730.00
	$5,192.51

Cr.

Expenditures (improvements and embellishments),	$3,305.42
Balance to new account,	1,887.09
	$5,192.51

Not unexpectedly, the financial depression which has been so widespread in our city during the past year has affected the receipts of the cemeteries, and has induced the sale of small lots and single graves, so that while the business of the department has been numerically equal to the average, the aggregate amount received is smaller than ought to be expected.

Besides the usual and necessary work of caring for that portion of the cemetery already prepared, a large area of the newer and unused part has been laid out.

There has been completed this year 1,540 feet of new main avenues in Rural, and 875 feet in Oak Grove Cemetery; 2,800 feet of old avenue have been repaired, covered with crushed stone and graded, and 1,840 feet of new paved gutters have been constructed. Fenders have also been placed at the corners of sections to prevent carriages from crossing and injuring the borders.

A constant demand for new lots in the cemeteries required the Board to prepare new sections and to construct necessary avenues leading to the same. In Rural Ceme-

tery the territory from Summit avenue west to the brook has been surveyed and a comprehensive plan drawn, so that the work of arranging may be completed during the coming season.

The extension of Oak Grove Cemetery in the purchase of the Caswell farm by the City Council in 1896 provides additional territory much needed by that rapidly growing section of the city. Immediate applications were made that this extension be prepared for cemetery purposes; the Board realizing the necessity of this call, have caused the extension to be surveyed and plotted, and descriptive plans of the grounds were submitted to the public through the daily papers, that the intention of the Board, as expressed in its report of last year to lay out these new portions of the cemeteries on the lawn system, might be thoroughly understood.

Within the last few years important changes have taken place in the method of cemetery improvement. The park or landscape lawn plan, which originated and was first applied in cemeteries in the west, has so many commendable features that all cemeteries established since its introduction have endeavored to apply its main features, and nearly all have improved their new sections under this system. When the two methods, or systems, are brought into direct contact no one can fail to see the immense superiority of the new.

The Board is not only endeavoring to carry out the ideas and practices of to-day, it is also seeking to discern along what lines improved methods are tending, thus striving to anticipate and apply the methods that will prevail fifty or

a hundred years hence. Each lot should be a constituent part of a whole, and in order that the whole may be harmonious, systematic treatment of each constituent part is absolutely necessary.

Whatever erections are made in cemeteries are usually intended to be permanent, therefore too much care and judgment cannot be used in the selection of designs and thoroughness of construction; simplicity, solidity and durability are essentials in cemetery improvements, and if to these are added an air of subdued beauty, together with neatness and perfection in keeping, little more can be sought or desired. The Encyclopedia Americana has the following:

RURAL CEMETERIES.

"During the past quarter of this century the American cemeteries have justly gained the reputation of being the most beautiful in the world.

"Nearly all of the public places to which we have referred, usually termed rural or garden cemeteries, are very favorably situated and well managed. A large number of them are, however, sadly disfigured by objects that should find no place among the homes of the dead. Permitting owners of lots to inclose their burial plats separately, either with wood, stone, iron or hedge fences; to erect as many tombstones therein as they please; to plant indiscriminately all sorts of trees, shrubs and flowers, and otherwise encumber the graves of their dead with varieties of objects and puerile ornamentation, has cost many cemetery associations large sums of money, besides defacing

and destroying their otherwise beautiful grounds. This style of promiscuous and tasteless decoration of the resting places of the dead is also very much calculated to pervert taste, and imbue the minds of people with false ideas. To escape these defects in the adornment of our rural cemeteries, the board of directors of Spring Grove Cemetery, near Cincinnati, in 1856, at the suggestion of Adolph Strauch, recommended to owners of lots certain reforms, which, although at first much opposed, have since been gradually carried into effect, not only in Spring Grove, but also in several other cemeteries throughout the country. The object of these reforms is to reconcile the essential requirements of a rural burial place with true landscape art, and thus to realize, as far as possible, the idea of a rural cemetery."

The Board have carefully compared the rules of all the leading cemeteries, and have endeavored to retain that which was best, hoping that each lot owner will cordially co-operate with them to make the cemeteries of New Bedford the beautiful places which nature and art, properly applied, make possible.

The following items clipped from the Superintendent's report show the results of the labor of last year in the cemeteries:

Number of lots prepared for sale in 1897,	Oak Grove,	31
	Rural,	107
	Pine Grove,	
Number of lots sold in 1897,		128
Number of interments in 1897,	Oak Grove,	214
	Rural,	367
	Pine Grove,	18

Actual value of unsold lots,		$21,956.00
Number of lots in perpetual care (total),		448
Amount expended in perpetual care lots,		$1,340.83
Amount of funds for perpetual care lots,		$41,484.93
Number of lots cared for in Rural Cemetery, 1897,		712
Increase over last year,		197
Number of lots cared for in Oak Grove Cemetery,		573
Increase over last year,		41
Number of bodies entombed,	Oak Grove,	19
	Rural,	21
Foundations constructed,	Monuments,	19
	Headstones,	231

It is gratifying to the Board that the proprietors are continually transferring the care of their lots to the city, and that the result is appreciated is demonstrated in the large increase of lots placed in our charge during the year.

SHRUBS AND FLOWERS.

It is the custom of the Board to annually plan its contracts for additional trees, shrubs and flowers. During the past year we have added:

150 Rhododendrons.
25 Standard Hydrangeas.
25 Japan Snowballs.
46 Flowering shrubs in variety.

Under this subject we venture a few suggestions to proprietors who usually exercise a commendable interest in the decoration of their lots.

For cemetery decoration we need plants which have ornamental leaves, or those blossoming during the greater part of the season. Many exclude hardy plants and flowering shrubs for the planting of tender and sensitive flow-

ers which are an ornament only for four or five months during the year. The balance of the time the places where they were planted are in a dirty and untidy condition, which detract more from the beauty of the cemetery than their short season of bloom adds to it.

The Board are reserving a portion of the new sections as they are constructed and beds of hardy flowering shrubs are being planted in them.

THE PUBLIC GROUNDS.

The radical change made by this Board last year in these grounds by removing the unsightly and promiscuous ornamentations, leveling the graves, grading and seeding the sections has been productive of satisfactory results. The grounds now present a beautiful lawn appearance instead of an apparent neglected portion of the cemeteries. It is the intention of the Board to place upon them urns filled with growing plants and to otherwise beautify and make them attractive.

During the past year it has become necessary to construct an additional section for the public purpose, and one has been designed with a capacity of 487 graves.

THE POND.

This beautiful sheet of water situated in the heart of Rural cemetery, we are pleased to say furnishes one of its greatest attractions. A new fountain has been placed in the centre. Twelve willow trees have been planted around it, and on its grassy borders beds of flowers of

special designs, have been located; settees have been placed at intervals around it, which furnish opportunity for rest and reflection for the many visitors to these grounds.

SOLDIERS AND SAILORS LOT.

The Soldiers and Sailors lot situated in the most prominent part of Rural cemetery over-looking the pond is beautifully and appropriately arranged for the purpose for which it was designed, the resting place for our honored dead.

Great credit is due to the several Posts in procuring and erecting appropriate emblems.

The erection of the monument by the Woman's Relief Corps, of this city, dedicated to the "Unknown Dead" is a beautiful tribute to the valor of those numberless ones whose resting place is not within man's knowledge, but whose memory is forever green; as has truly been said "to many a household, this memorial will be a comfort in its suggestions that those who sleep in unknown graves are not forgotten by those for whom they gave their lives."

The Board are pleased to record that for the first time since the lot was set aside in 1869, for the burial of the soldiers and sailors, it has a full and complete record of the interments thereon; and plans showing the location of each grave, properly numbered and marked, are on file at the office of the Board.

GRIFFIN STREET CEMETERY.

This cemetery situated in the lower wards of our city has been for many years a closed ground. It apparently requires but little attention, nevertheless, our superintendent regularly visits these grounds, administering the same general protection and care that is given to them all.

The Board bear in mind that here is the resting place of many of the pioneers of our city, whose interest in the early development of New Bedford was as devoted and sincere as many of those who rest in modern cemeteries of to-day, their graves marked by monuments of elegance and art, and in grounds embellished with shrubs and flowers.

Many of our citizens have made earnest appeals to the Board for us to locate the burial place of their ancestry, but the graves of many old and prominent citizens are forever lost, as no record of value can be found to supply their request; for these good and sufficient reasons the Board feel justified in treating the little cemetery as one lot, subject to perpetual care, and should receive the protection, care and improvement that has been given these grounds in the last three years.

WATER EXTENSION.

It has been the desire of the Board to obtain extensions of the water supply in Rural and Oak Grove cemeteries each year. In 1896 an extension of 1,000 feet in each ground was made; by some unexplained reason this important matter has not been provided for during the past

year. It is necessary that this extension of the water service be made each year, not only for the accommodation of visitors who often have to carry water long distances to their lots, but to furnish the required facilities for sprinkling the avenues, and supply the many young trees, shrubs and plants which require attention each day in order to insure their preservation during the warm and dry period of the year.

The Board desire to impress the importance of the early action in this direction, and that the City Council will cheerfully respond when a special appropriation is asked for this purpose.

PINE GROVE CEMETERY.

These grounds situated near Lund's Corner has for its future an ideal cemetery. It has many acres of undeveloped land largely covered with trees and shrubs. It is the purpose of the Board in the extension and development of this cemetery to adopt entirely the park and landscape system, so much in use in modern cemeteries. Pine Grove contains many natural features such as trees and shrubs, hills and valleys, brooks and meadows, which are valuable contributions, and supply the important neucleus for the purpose for which this cemetery was designed. Under the careful supervision of the Board the transformation which has been accomplished during the past three years can in no way better be described than by referring you to the illustrations which accompany this report, or by a visit to this beautiful resting place of the dead in the season of summer and flowers.

Too much credit cannot be bestowed upon our superintendent, Mr. Charles F. Cornell. Under his direction the work of the Board has been conducted in a most thorough manner. By his long experience and connection with the cemeteries, covering a period of nearly 30 years, valuable information has been obtained and placed upon the records of the Board; being conversant in all matters relative to the cemeteries his judgment is invariably solicited by lot owners. Through his advice many proprietors have transferred the entire care of their lots to the City, the result of which has not only been gratifying to them, but has largely increased the revenue of this department.

THE BOARD.

The Board of Cemetery Commissioners consists of three members elected by the City Council for three years, making the term of one expire each year. It has been the disposition of the city goverment to reinstate the present members in this capacity as often as their respective terms have expired. This has been of great advantage to the city; it is largely accountable for the rapid progress made in the development of our cemeteries. The Board has had ample time to consider the many vexing problems which have presented themselves, to enter into the many details, to obtain full knowledge of the grounds, and are better prepared to-day to impart such information as is constantly being required of them. Since its permanent organization their services are, and have always been, entirely gratuitous. Their meetings are held Friday of each

week, and the business management of the cemeteries is systematically and thoroughly conducted. Every lot owner should feel it his duty to aid the Board in its endeavor to beautify, embellish and protect the grounds, as it is impossible for the Board to do so with their limited force, without the help and co-operation of those in whose interest they are devoting much valuable time.

The term of Captain William Sanders expires in April of this year. His thorough knowledge of the cemeteries, his superior judgment and his untiring interests in the progress and development of this department have been invaluable to the Board.

SUGGESTIONS TO LOT OWNERS.

In the improvement of cemeteries the best results are only attainable by the cordial co-operation of all interested, and by a careful consideration of the purpose to be accomplished, and a willingness to subordinate individual opinions and desires, to the accomplishment of this purpose.

It is reasonable to assume that the managers of all cemeteries are mainly intent on making their grounds the very best they can under the existing conditions, and with the means at their disposal; and that their experience, years of patient study, and general information regarding what is being done in other cemeteries, better qualify them for making regulations and prescribing necessary restrictions under which cemetery lots shall be improved, than persons who have given the subject no consideration and had no experience. The finest cemeteries in the United States are those having the most arbitrary and restrictive rules,

and where these rules are most rigidly enforced. Cemetery experts claim that the erection of high headstones and massive curbing of lots are entirely subversive to all landscape beauty; that no matter how judiciously, or elegant, a cemetery may be planted, if these are permitted, they hide the planting so effectually and are so obtrusive that they entirely efface all the better features, and give the sections (particularly when viewed from a distance) more the appearance of a marble dealer's yard than portions of a properly planted cemetery.

In the modern cemetery the curbing of lots is considered out of date, and is treated as a feature of the past. The Board desire that all new proprietors will take this matter under careful consideration in the arrangement of their lots. The planting of flowers and shrubs is also a desirable feature for cemetery decoration. Flowers are in place everywhere, and almost everyone admires and loves them, and there is no place more appropriate for their growth than cemeteries, in no way can we better give expression of our regards for the friends who have left us than by decorating their resting place with beautiful plants and flowers. The planting of flowers greatly enhances the beauty of the grounds, making them far more attractive during the season when most visited.

It is unfortunate for the best appearance of our cemeteries that we have been trained and educated to believe grave mounds a necessity. They really answer no purpose, detract very much from the appearance of the section, and are seldom in perfect condition. We are pleased to record that during the past year many of these in the

old portions of the grounds have been leveled and a uniform appearance of the section restored.

There are many other suggestions which have been mentioned in our former reports, such as the removal of hedges, iron fences, and unsightly ornamentations, and the more especial matter of placing the entire care of your lot in charge of the Board, are all worthy of your consideration, and that individual interest will continue to assist the Board in making the cemeteries places of beauty and attractive to all who visit them.

"Go make thy garden fair as thou canst,
Thou workest never alone,
Perchance he whose plot is next to thine
Will see it and mend his own."

OFFICE.

The Board realize the importance of calling general attention to the location of its office in room 304, Merchants' Bank building.

Mr. Pardon A. Macomber, Clerk of the Board, will cheerfully and courteously furnish any information desired.

The field books, plans and charts of all the cemeteries are in his custody, and graves may be readily located.

The Superintendent is easily accessible for consultation, and all arrangements for interments can here be made without the necessity of a visit to the grounds.

It is essential that the general public should know that all business of whatever nature relative to the cemeteries should first be presented at this office, all necessary papers for the purpose of certificates, transfers, designations, and

perpetual care of lots can only be obtained here, and orders for work and the proper care of lots should also be left with the Clerk of the Board, that it may receive the prompt and careful attention of the Superintendent.

In conclusion, we hope that individual interest in the cemeteries will continue to develop. That the recommendations prescribed in this report will meet the approval of the City Council. That the work done and now in process or construction in the cemeteries will receive the continued endorsement of proprietors and visitors, it being the desire of the Board that the condition of the cemeteries of New Bedford be raised to that high standard of efficiency to which nature and art can contribute.

Respectfully submitted,

JAMES DELANO, Chairman,
WILLIAM SANDERS,
CHARLES H. VINAL, Secretary.

RULES AND REGULATIONS IN RELATION TO THE USE AND MANAGEMENT OF CEMETERIES OF THE CITY OF NEW BEDFORD, MASS.

Rule 1.—The cemetery gates shall be opened daily from March 31 to October 1, until 7.30 P. M., and during the remaining months until sunset.

Rule 2.—No vehicle shall be driven in the cemetery faster than at the rate of five miles an hour.

Rule 3.—Funerals on reaching the cemetery will be under the charge of the Superintendent or his assistants. Drivers must remain on their carriages or stand by their horses during funeral services.

Rule 4.—Carriages must not be turned in any avenue, and no horse shall be left unfastened without a driver.

Rule 5.—Persons on horseback will ride only on carriage ways.

Rule 6.—Persons within the cemetery, conducting themselves improperly, will be requested to leave instantly, and upon refusal, will be compelled to do so, and will be subject to prosecution.

Rule 7.—All persons entering or passing through the cemeteries are required to keep to the paths or avenues.

Rule 8.—Dogs will not be allowed in the cemetery.

Rule 9.—No fire-arms allowed, except at military funerals and Memorial Day services.

Rule 10.—*Trees and Shrubs.*—No person shall break or injure any tree, shrub or plant.

Rule 11.—All persons are forbidden to gather flowers except upon their own lot.

RULE 12.—Hedges, wooden trellises, and posts and chains, for the purpose of inclosure, are prohibited in the grounds of the cemetery hereafter.

RULE 13.—The planting of trees or shrubbery upon lots shall be made under the supervision of the Superintendent. No new fences or hedges about lots will be allowed.

RULE 14.—The terms for the annual care of lots may be ascertained on application to the Superintendent at the office.

RULE 15.—No grading or filling of lots except by order of Superintendent.

RULE 16.—*Stone and Monumental Work.*—All granite or marble work must rest upon a stone foundation, laid with cement, below frost.

RULE 17.—All foundations for any structure to be placed in or upon any grave or lot in any cemetery must be constructed under the supervision of the Cemetery Board and of its Superintendents. If preferred, the Cemetery Board will construct all foundations at cost price to the person ordering the same.

RULE 18.—*Rubbish.*—All rubbish collected by work of any kind must be cleaned up by the parties employed on that work, and the grounds left in good order. All work must be done during the working days of the cemetery, and cease at the close of the cemetery gates.

RULE 19.—No material for the building or setting of monuments or tablets, will be received or allowed on Saturdays, unless by permission of the Superintendent.

RULE 20.—No work will be allowed to be delivered or

set in the spring until the ground has fully settled and is in proper condition.

Rule 21.—*Receiving Tomb.*—Bodies may be deposited in the receiving tomb under such regulations and upon payment of such sums as may be fixed by the Commissioners from time to time.

Rule 22.—*Funerals.*—Early notice of funerals must be given to the Superintendent of the Cemetery, who will make all the arrangements for the interment.

Rule 23.—*Unpaid Bills.*—The Superintendent shall refrain from doing any work of any nature on a lot or grave in the cemetery, while any bill is due on account of said lot or grave; provided, however, that this rule may be waived at any time by the Board or Cemetery Commissioners.

Rule 24.—Undertakers are required to have all orders for interment signed by a proprietor or some authorized person, and accompanied with the necessary town or city permit. Where there is so great a liability to make mistakes in names and dates for record, undertakers should be particular in having their orders correct.

Rule 25.—No deposit made for the preservation and care of any lot, shall entitle such lot to any expenditure for such preservation or care, until the amount of the deposit with the accumulated interest upon such deposit shall have reached such a sum as, in the judgment of the Cemetery Board, or such other officer or officers having control of the cemeteries, shall yield an income sufficient for the preservation and care of the lot, in behalf of which said deposit has been made. Whenever a deposit, with

or without accumulation, equals the sum of one hundred dollars, such lot shall immediately receive care and preservation, but this Board reserves the right to place any lot upon the list of perpetual care lots whenever in their judgment the deposit with its accumulations warrants the same.

RULE 26.—Any person violating the provisions of any of the foregoing rules excepting the rules numbered respectively 1, 11, 14, 19, 21, 22, 23 and 24 shall be subject to a penalty not exceeding twenty dollars for each and every offence.

Any person violating the provisions of rule 11, shall be subject to the forfeiture provided in Public Statutes, Chapter 207, Section 50, viz. :—not less than five nor more than one hundred dollars.

Forms of Certificates, Designations, Assignments, Orders, etc., may be obtained at the office of the Cemetery Board, Merchants Bank Building, Room No. 304.

JAMES DELANO, Chairman,
WILLIAM SANDERS,
CHARLES H. VINAL, Secretary,
Cemetery Board.

In Board of Aldermen,

Feb. 24, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

2 mo., 24, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

1898—CITY DOCUMENT No. 16.

ANNUAL REPORT

OF THE

INSPECTOR

OF

MILK, PROVISIONS AND ANIMALS,

FOR THE

YEAR ENDING DEC. 31, 1897.

NEW BEDFORD:
MERCURY PUBLISHING CO., CITY PRINTERS.
1898.

REPORT.

New Bedford, Mass., Dec. 31, 1897.

To His Honor the Mayor and the Board of Aldermen of the City of New Bedford.

Gentlemen :—The report of this office is herewith respectfully submitted.

The main questions occupying the attention of this office are the procuring for the citizens of New Bedford pure, unadulterated, wholesome, standard quality milk and provisions, and it is gratifying for the Inspector to know that New Bedford's milk supply is second to no city in the state for standard quality. I have had less complaints in regard to milk and provisions the past year than in any previous year during my term of office. All complaints have been cheerfully and thoroughly investigated, to the perfect satisfaction of all parties interested.

The Inspector's office, at the corner of Elm street and Acushnet avenue, is opened during business hours every day, and is visited by the public in all matters relating to the question of milk, provisions and animals, such as bringing samples of milk and provisions for inspection and investigation, and making complaints on various matters.

No person need be in doubt about the purity of milk when a visit to this office, provided by law for use of the public, will give all needed information and assistance.

I have inspected over 600 samples of milk, and found but two that were adulterated. I sent warning letters to the parties who furnished said milk, and after seeing them their milk supply decreased in quantity and increased in quality, and have had no trouble from them since.

I have made a very thorough inspection of all cattle and swine owned within the city limits, and also made out a thorough and minute description of all barns and sheds where cattle are kept especially in regards to the purity of the water supply and hygenic surroundings, such as light, drainage and ventilation of the places. I have condemned about a dozen sheds and caused extensive alterations to be made in as many more by order of the Honorable Board of Health.

I have caused to be killed 13 tuberculous cows and five glandered horses, and have performed post mortem examinations upon all of them, and confirmed my diagnosis in every case. When we consider that both of the above diseases are conveyed to the human family and that they are always fatal, I think the public will say that quite a little good has been done.

I have also quarantined all sick and debilitated animals coming under my notice during the year. I inspect the slaughter of all animals killed within the city limits and condemn all that are diseased.

I have issued 314 licenses at 50 cents each for the sale of milk, which is paid into the city treasury.

My duty is also to seize, quarantine, condemn and kill all animals suffering with contagious or infectious diseases after a thorough and careful examination and test, and it will be my great pleasure to *strictly* and *impartially* perform this duty to the best of my ability and the full

extent of my authority, thus giving to the inhabitants of New Bedford as little danger as is possible of contracting (from meat, milk or contagion) these dreaded and fatal diseases.

Respectfully submitted,

DR. D. C. ASHLEY,

Inspector of Milk, Provisions and Animals.

In Board of Aldermen,

January 27, 1898.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD, City Clerk.

In Common Council,

1 mo., 27, 1898.

Concurred.

WILLIAM A. MACKIE, Clerk.

LIST OF JURORS.

CITY OF NEW BEDFORD.

CLERK'S OFFICE,
March 8, 1898.

This certifies the following to be a correct list of persons prepared as provided by law to serve as Jurors for the year 1898.

Attest: DANIEL B. LEONARD,
City Clerk.

LIST OF JURORS.

A

Adams Charles H. 597 County, no occupation
Adams Stephen F. 118 Mill, dry goods
Adshead Frank, 147 Cedar, machinist
Ainsworth Joshua, 179 Austin, laborer
Akin James, 44 High, mechanic
Allen Abraham A. 2d, 233 Shawmut av, farmer
Allen Andrew H. 382 Kempton, mason
Allen Charles N. 81 School, sparmaker
Allen Daniel E. 76 Shawmut av, butcher
Allen James H. machinist, 103 Chestnut
Allen Peleg H. S. W. 443 Cottage, machinist
Almy Henry B. 96 Willis, upholsterer
Ames Yorick W. 325 Middle, janitor
Andress Benjamin A. 408 Kempton, clerk
Anthony Benjamin, 98 Madison, publisher Standard
Anthony Benjamin H. Ash, s. of Hawthorn, clerk
Arey Allen C. 159 Washington, gas fitter
Armitage James H. 428 Pleasant, clerk
Arnott George, 12 Margin, spinner
Ashley A. Davis, 947 Acushnet av, pat. med. dealer
Ashley Henry T. w. s. Acushnet av, farmer
Ashley Joshua B. Jr. 33 North, marketman
Ashley Roland R. 109 Cove, real estate dealer
Atwood Herbert M. 49 Smith, carpenter
Atwood William W. 244 Pleasant, shoemaker
Averill Lewis C. 60 Durfee, retired

B

Bachelder Ward C. 31 Dartmouth, machinist
Bailey George P. 364 Kempton, druggist
Baker Ansel G. 103 School, machinist
Baker Benjamin, 45 Chestnut, bookkeeper
Baker Michael A. 82 Chestnut, master mariner
Bancroft Julius V. 194 Pleasant, street sprinkler
Bannister John W. 194 Pleasant, clerk
Bannon John H. 1 Hyacinth, plumber
Bannon William F. 1 Hyacinth, clerk
Barrows Eugene M. 662 County, paint manufacturer
Barry Richard, Jr. 285 Cedar, clerk
Bartlett Clarence H. 450 County, clerk
Bassett Andrew H. w. s. Tobey road, butcher
Bassett Charles H. w. s. Tobey road, butcher
Bassett Ellery R. 166 Mill, electrician
Bassett William A. 15 Chestnut, fish dealer
Bates Edwin A. 154 North, real estate
Bates James W. 281 Cottage, grocer
Bates Lot B. 425 Acushnet av, grocer
Bates Orrin, 62 Hillman, confectioner
Baylies Charles S. 122 Bedford, clerk
Bearse Clarence A. 7 Franklin, carpenter
Beetle John H. East French av, lumber surveyor
Bell John H. 109 Fifth, mechanic
Bennett Samuel R. 79 Chestnut, merchant
Bennett William H. 5 Richmond, grocer
Bentley George B. 24 Mosher, top roll coverer
Bentley Loren T. 40 Bowditch, second hand
Bentley Samuel E. 69 County, retired
Bessey James A. 110 No. Ash, printer
Bisbee Frank M. 42 Fifth, agent
Blake George A. 183 Kempton, clerk
Bliss Frank C. 196 Grinnell, grocer

Bly Leslie A. 37 Madison, machinist
Bly William L. 304 County, clothing
Boardman Thomas, Park hotel, Weld st, retired
Boomer Edwin A. 63 Hillman, millinery
Booth Edward H. 35 Durfee, car inspector
Booth Francis A. 35 Fifth, accountant
Booth Zachariah E. 320 County, bookkeeper
Borden Charles F. 275 County, supt. Mt.Wash. glass works
Borden George B. Rockdale av, farmer
Borden Harrison T. 10 Fair, wood and coal
Borden Prince S. 220 Kempton, master mariner
Borden Thomas J. 5 Stone, machinist
Bosworth Peleg, 195 Shawmut av, farmer
Bouchard John, 121 Locust, barber
Bourne Henry D. 49 Sycamore, carpenter
Bowen George H. 63 No. Second, moulder
Bowman George L. 19 Shawmut av, nurse
Bowman Henry T. 263 Purchase, carpenter
Bradley William E. 300 County, foreman liv. stable
Braley Jasper W. Jr. 619 County, grocer
Brawley Edward L. 68 Walden, clerk
Briggs Allen G. w. s. Tobey road, blacksmith
Briggs Charles F. 311 County, teamster
Briggs Philip S. 173 Acushnet av, bicycle dealer
Brightman Edward T. 42 Campbell, provision dealer
Brightman George F. Acushnet av, master mariner
Brightman Harry C. Rockdale av, clerk
Brightman Harry S. 101 Allen, polisher
Brightman Leander, 29 Madison, merchant
Brightman Lewis M. 76 Bedford, boiler maker
Brightman L. Merton, 29 Madison, clerk
Brightman Louis E. Brightman ct. carpenter
Broadmeadow George, 101 Durfee, machinist
Brock George P. 106 Arnold, collector

Bromley David, 949 So. Water, grocer
Brooks John B. 54 Chestnut, engineer
Brown Charles H. 25 Willow, clerk
Brown James, 197 Coffin av, farmer
Brown James H. 212 North, machinist
Brown Oliver F. 139 Cottage, retired
Brown William L. G., 114 Sycamore, florist
Brownell Myron W. 75 Hillman, paint manufacturer
Brownell Charles H. Kempton & Florence, mark'mn
Brownell Charles T. 153 Mt. Pleasant, farmer
Brownell Elmer W. w. s. Florence, grocer
Brownell Elnathan C. 354 County, marketman
Brownell Gilbert K. North opp. Spruce, shoe dealer
Brownell Herbert J. 109 Campbell, clerk
Brownson George L. 1043 Acushnet av, conductor
Buchell Charles N. 5 Foster, shoe dealer
Bunker Elihu, 403 Purchase, druggist
Burbank John T. 68 Parker, bookkeeper
Burgess Charles T. 74 Willis, shoecutter
Burgess George W. 43 Wing, machinist
Bush Andrew M. 383 Purchase, tailor
Butler Harry W. 51 Locust, reporter

C

Caldwell Albert F. 101 No. Ash, carpenter
Cannon Albert, 34 Willis, clerk
Card Herbert E. Cove road, overseer
Carney John F. 805 So. Water, clerk
Carpenter, Albert H. W. 139 Hillman, ins. agent
Carroll William E. 580 Kempton, carriage maker
Carter Edward H. 275 Pope, carpenter
Case Isaac R. 625 County, clerk
Cavanaugh Jeremiah L. 72 So. Second, blacksmith
Chadwick Edward E. 140 Summer, meat & provis'ns

Chadwick Joseph W. Oak, foreman Twist Drill
Champion John T. 148 Rotch, tailor
Channing William R. 366 Union, dentist
Chase Charles F. Howard av, carpenter
Chase Ira M. 37 Fifth, bookkeeper
Chase Joseph H. 319 Park, ship carpenter
Chase Walter F. 17 Fifth, ship carpenter
Chase Warren E. 90 Bedford, retired
Chase William F. 318 Mt. Pleasant, farmer
Chase William R. 47 Chestnut, insurance agent
Chausse Joseph, 126 Mt. Pleasant, grocer
Clark Charles F. 119 Kempton, pattern maker
Clark John J. 2 Clay, frame maker
Clark William J. 734 Kempton, letter carrier
Cleveland George H. V. D. 69 Forest, baker
Clifton Jireh W. 242 Purchase, plumber
Clynes Thomas J. 634 Acushnet av, clerk
Cobb George A. Acushnet av, tinman
Codding Seth E. 8 Spruce, bottler
Coe Isaac H. Jr. 124 Washington, carpenter
Coit Manuel, 3 Warwick, clerk
Colby Philip E. 37 Hill, clerk
Cole George F. 112 Fourth, carriage dealer
Cole Theodore W. 74 Hillman, marble worker
Cole William, Jr. 76 South Sixth, treas. Co-op Ass'n
Collins George A. 178 Fourth, overseer
Cook Charles E. 1042 Acushnet av. real est. agent
Cook Frederick B. 18 Pleasant, janitor
Cook Samuel H. 97 Madison, insurance agent
Cook Thomas W. 396 Union, cotton broker
Cooke Robert, 266 Fourth, baker
Cooper William E. 551 Kempton, grocer
Corey David A. 17 Ashland, machinist
Cornell Charles C. e. side Jenney Lind, marketman
Cornell John W. 151 Middle, broker

Corson Henry T. County and Smith, druggist
Cory Andrew T. Rockdale av, farmer
Cory George A. 138 State, carpenter
Coxen Charles H. 109 Durfee, grocer
Craig William H. 170 Chancery, carpenter
Cranston William W. 143 Washington, upholsterer
Crapo George G. 168 Shawmut av, teamster
Croacher Thomas W. 121 Fifth, sash and blind maker
Crowley Timothy, 111 Cedar, machinist
Cummings Benjamin, 99 School, grocer
Cummings Benjamin T. 271 County, clerk
Cunningham Patrick, 131 So. Second, machinist
Curtis Leonard O. 5 Newton, music teacher
Cushing Charles F. 426 Union, merchant

D

Dagasse Anatole, 66 Robeson, druggist
Damon Louzon A. 126 Fourth, machinist
Dantsizen Frank M. 223 Acushnet av, cabinet maker
Darling Frank M. 490 Acushnet av, clerk
Darling William, e. s. Tobey road, farmer
Davenport Dudley, 254 Arnold, grocer
Davis Charles E. 17 Chestnut, machinist
Davis Edward G. 195 Shawmut av, florist
Davis Henry V. Jr. 262 Arnold, foreman
Davis Herbert E. 135 Locust, motorneer
Davis John E. w. s. Rockdale av, florist
Dawe Fred C. 159 Durfee, machinist
Dean A. Herbert, 217 Middle, clerk
Dean Charles F. 59 Elm, painter
Dehn George R. 5 Linden, baker
Delano George H. 218 Summer, conductor
Dennis Ephraim K. 193 Middle, contractor
Desmond William F. 37 No. Sixth, civil engineer

DeWolf Alfred W. 56 Hill, hardware dealer
DeWolf Edward A. 284 Union, artist
Dexter Howard N. 56 Campbell, shoemaker
Dias Charles H. 169 Union, clerk
Diman Henry B. 123 Rockland, merchant
Dinnigan Daniel G. 178 Fourth, publisher
Doane Joshua G. 487 Acushnet av, foreman
Donaghy Thomas, Jr. 103 Acushnet av, clerk
Douglass Frank M. 18 Cedar, druggist
Drake Albert B. 91 School, civil engineer
Drake Charles E. 160 William, civil engineer
Driscoll Daniel F. 11 Linden, grocer
Dugan Edward P. 130 So. Second, grocer
Dwight James E. 137 Fourth, grocer

E

Eaton Josiah, Jr. 65 Cottage, music teacher
Eddy George M. 8 Maple, retired
Eggers George A. 72 So. Chancery, gunsmith
Ellison Henry W. 56 So. Emerson, clerk
Emery John C. 57 Bedford, Twist Drill
Ennis Charles T. 114 Fourth, clerk
Ennis John H. 17 Maitland, painter
Estes Andrew L. 115 Campbell, carpenter

F

Fairchild Thomas H. 170 Fourth, druggist
Farnham George W. 54 Hillman, boatbuilder
Faunce Charles L. 13 Pope, carpenter
Ferguson James, 49 State, shoemaker
Fisher Sidney S. 442 Pleasant, motorman
Foley William F. 13 Hazard court, weaver
Folger Charles E. 61 Hillman, bookkeeper
Folger Charles F. 61 Hillman, retired

Folger David B. 44 North, grocer
Footman John W. 72 State, blacksmith
Ford N. Ernest, 67 Willis, furniture dealer
Freeman George H. 23 Seventh, ink manufacturer
Fuller Frederick S. 92 Hillman, bookkeeper
Fury Bartholomew P. 501 Purchase, salesman

G

Gabriel Samuel E. Willis street court, driver
Galligher Neil, 107 So. Sixth, tailor
Gammons Edgar H. 22 Grand, teamster
Gardiner Ezekiel C. 14 Crapo, stable keeper
Gardner Oliver H. 48 North, carpenter
Gibbs John L. 2d, 72 State, supervisor of buildings
Gibson Samuel S. west side Tobey road, mason
Gifford C. Henry, 26 Walnut, mason
Gifford Jireh B. Howard and Belleville avs, farmer
Gifford Richmond A. 101 Cedar, foreman W. Works
Gifford Thomas J. 15 Ashland, plumber
Gildea Frank L. 61 Bullard, periodical dealer
Goff Charles H. 11 Emerson, carpenter
Goff George H. e. s. Florence, carpenter
Gooding Robert A. 177 Cedar, carpenter
Greene Matthew L. 191 No. Second, machinist
Greene Nathaniel H. 204 County, foreman P. Works
Greer George, 342 Middle, retired
Grundy James, 230 So. Second, glassmaker
Gurney Frank J. e. s. Tobey road, shoemaker

H

Habicht Frank A. 24 Elm, printer
Hafford Stephen, Jr. 73 State, shoecutter
Hammond Edgar B. 66 North, architect
Hammond Francis W. 70 North, carpenter

Hammond John N. Tobey road, w. side, carpenter
Harding James G. 62 State, pump and plumber
Harlow Michael F. 865 County, loom fixer
Harrington John C. rear 68 Linden, billiard room
Harrison Samuel, 108 Division, grocer
Haskins Elmore P. 95 Chestnut, carpenter
Haskins Herbert K. 87 Chestnut, carpenter
Hatch George C. 1213 Acushnet av, expressman
Hatch Joshua J. 500 Cottage, carpenter
Hathaway Andrew B. Hathaway road, florist
Hathaway Benjamin F. Jr. 506 Purchase, clerk
Hathaway Charles R. 18 Campbell, bookkeeper
Hathaway Henry W. Hathaway road, farmer
Hathaway James H. Tarkiln Hill road, butcher
Hathaway James L. 72 Willis, bookkeeper
Hathaway Jethro H. 498 Cottage, carpenter
Hathaway John W. Hathaway road, farmer
Hathaway Paul S. Hathaway road, farmer
Hathaway William E. 411 Cedar, hay and grain dealer
Hawes Frederick B. No. Acushnet ave., bookkeeper
Hayden John D. 181 Smith, farmer
Hazard Henry C. 68 North, carpenter
Hazzard James B. 59 Hill, painter
Healey Thomas F. n. s. Belleville rd, real est. agent
Herlihy Patrick, 928 Acushnet av, stonecutter
Hervey E. Williams, 191 Hawthorn, retired
Hillman Benjamin, 101 Maxfield, painter
Hillman Frederick G. 1036 Acushnet av, clerk
Hillman George W. 1036 Acushnet av, mill supplies
Hindle William, 322 Pleasant, grocer
Hingham Hiram, Jr. 110 Merrimac, overseer
Hitch Hardy, Jr. 20 Fifth, upholsterer
Hitch Otis L. 35 Emerson, upholsterer

Holcomb Roland, 67 School, grocer
Holloway Arod B. 24 Homer, mason
Homer Frederick A. 4 Arch, merchant
Homer George S. 4 Arch, merchant
Howe George A. 53 Dartmouth, solderer
Howland Daniel W. 305 W. Maxfield, tailor
Howland Ezra, 284 Union, farmer
Howland George F. 297 County, no occupation
Howland Henry, 280 Pleasant, stove dealer
Howland Jonathan, Jr. 54 Russell, retired
Howland Paul, Jr. 91 State, engraver
Howland William R. 137 William, unemployed
Hoxie Frank C. 155 Washington, pattern maker
Hubbard Herbert F. 236 Pleasant, foreman
Humphrey Daniel F. Ashland, conductor elec. road
Hunt Leander W. 4 Foster, merchant tailor
Hunt Samuel C. 147 Maxfield, architect

J

Jackson George, s. s. Perry, mason
Jackson Thomas W. 591 W. Maxfield, barber
James Clarence H. 181 Fourth, accountant
Janell Henry F. 596 Purchase, stonecutter
Jenney Benjamin F. 43 Arch, no occupation
Jenney Charles C. 1 Bay, machinist
Jenney Harry C. Smith and Walden, superintendent
Jenney Henry P. w. s. Acushnet av, real estate agent
Jenney Perry P. 142 Pleasant, machinist
Jenney William B. 174 Grinnell, mason
Jenney William T. 170 Grinnell, accountant
Jennings Frank M. Jennings court, machinist
Jennison Charles J. 17 Franklin, pattern maker
Jones Frank M. 275 Palmer, freight clerk

K

Kane James T. 80 Fifth, contractor

Keen Charles F. 79 Locust, carpenter
Keen Leonard, Jr. 29 Parker, carpenter
Kelleher Daniel, 300 Purchase, bomb lance manuf'r
Kelleher Daniel J. 188 Purchase, printer
Kelley William E. 158 Grinnell, bookkeeper
Kelley William L. 478 County, jeweler
Kenyon Henry W. 910 Acushnet av, no occupation
Kern William E. 76 Forest, painter
Kerr Nathaniel B. 677 County, mill agent
Kilburn Frank J. 264 County, machinist
Kilcoin Luke J. 447 Cottage, mason
King Burgess T. w. s. Elm n. Read, carriage maker
King Philip R. 95 Willis, carriage maker
Kingman Gilbert D. 12 Lincoln, clerk
Kirby Charles L. 421 Union, no occupation
Kirby George, Jr. 672 County, paint manufacturer
Kirk John F. 143 State, grain business
Knowles John P. Jr. 485 County, retired
Knowles Thomas P. 637 Purchase, plumber
Knowles Walter I. 87 So. Sixth, shoe dealer

L

Lagasse Adolph P. 128 Rivet, undertaker
Lamb William G. 406 Union, carpenter
Lanagan Daniel P. 12 Walnut, junk dealer
Lapham Leonard C. 183 Pleasant, clerk
Lawrence Charles E. 115 Fourth, painter
Lawrence Cyrus T. 329 Cedar, retired
Lawrence James W. 630 County, furniture dealer
Leach Harry J. 163 Maxfield, carpenter
Leach William H. H. 75 Sycamore, trav. salesman
Leary Dennis, Jr. 278 Austin, blacksmith
Lees Albert, 168 Middle, motor inspector
Lees Sidney, Blackmer and Second, clerk

Lewin Charles, 247 Cedar Grove, loom fixer
Lewis Edgar R. 35 Eighth, clerk
Lewis Obed B. 105 Sycamore, marketman
Lewis William J. 717 County, cotton broker
Lincoln Arthur F. 286 Pleasant, conductor
Linton Frank I. 107 Maxfield, carriage maker
Look John W. 31 Sycamore, carpenter
Lord Joseph, 15 Franklin, grocer
Lovejoy Thomas J. 627 Purchase, burnisher
Lucas Everett A. n. s. Hathaway av, carpenter
Luce Arthur G. 346 Cottage, mang'r Mercury Pub.Co.
Luce Thomas E. 201 Cedar, grocer
Luscomb Simeon P. 184 Summer, cooper
Lyons Thomas H. n. s. Penniman, driver

M

Macomber George P. 774 County, copper works
Macomber James P. 245 Pleasant, merchant
Macomber John W. 265 Union, man'gr Cordage Co.
Macomber Pardon A. 201 Kempton, agent
Macomber William B. 74 State, retired
Macy Arthur W. 161 Grinnell, jeweler
Maine Henry M. 36 North, carpet cleaner
Maker George W. 96 Maxfield, sailmaker
Manchester Ellery L. 11 Emerson, rigger
Manseau John D. 30 Durfee, clerk
Marden John W. 288 Acushnet av, artotype printer
Martin Edward H. 32 North, reporter
Marts Andrew M. 295 Palmer, engineer
Mason John L. G. 63 Hillman, mason
Maxfield Frederick T. 191 Kempton
McAfee John K. 63 Fifth, fruit dealer
McAuliffe Dennis J. 276 Coggeshall, janitor
McCann James L. 16 High, stonecutter

McCullough John, Jr. 55 Maxfield, merchant
McDonald Hugh J. 195 So. Second, carriagesmith
McFarlin James, 71 Spruce, jobber
McSweeney Myles, 214 North, teamster
Meaney John J. 6 W. French av, carpenter
Meaney Thomas J. 6 W. French av, real est. agent
Merritt George H. Plainville road, farmer
Milliken George H. 26 Seventh, dry goods
Milliken George H. Jr. 21 Sycamore, clerk
Milliken Lewis E. 73 Hillman, grocer
Mills William J. 831 County, no occupation
Mitchell Robert, 382 County, gardener
Monroe Frederick S. 474 Kempton, stenographer
Moon John, 132 County, second-hand furniture
Morse Ansel C. 2 Bay, machinist
Morse Leonard H. Sr. 469 Acushnet av, carpenter
Morse Willard H. 271 Pleasant, dry goods
Mosher Charles A. 202 Rockland, carpenter
Mosher Charles H. Rockdale av, ice dealer
Mosher Frank T. 202 Rockland, carpenter
Mosher Frederick W. 219 Fourth, carriage maker
Mottram, George S. 1049 So. Water, store keeper
Moulton Augustus G. 56 Hill, bookkeeper
Mullaney Michael, 69 South, overseer
Murphy Dennis E. 25 Winsor, spinner
Murphy Edward M. 834 County, clerk
Murphy Timothy J. 180 So. Second, glassblower
Myrick Walter R. 13 Eighth, machinist

N

Neal George A. 77 Morgan, clerk
Nichols George M. River road, butcher
Nichols Leander P. 49 North, shoe dealer
Norcross John C. 345 Reed, mason

Nye George E. 359 County, machinist
Nye Obed C. 276 Union, merchant
Nye Pemberton H. 709 County, merchant
Nye Willard, Jr. Arnold place, retired

O

O'Brien John N. 567 Cottage, wood and coal
O'Connor Frank, 299 County, tailor
Oesting F. William, 51 Fifth, trader
Offley John R. 289 Hillman, barber
Oliver George L. 2 Morgan terrace, express manager
Oman Charles A. 14 Allen, overseer
Onley Fred H. 147 Smith, clothes cleaner
O'Rourke William H. 44 Independent, insurance

P

Paige James H. Mill road, grocer
Paine George W. 137 Summer, lime, brick, etc.
Paine Olin S. 87 State, clerk
Parker Frederick, 289 Acushnet av, dealer in powder
Parker James N. 91 School, salesman
Parsons Thomas L. 131 Elm, broker
Pasell Francis H. 257 Mt. Pleasant, florist
Pasell Francis H. Jr. 257 Mt. Pleasant, gardener
Patnaude Joseph C. 7 Linden, salesman
Paul John W. 29 Parker, insurance agent
Paulding John B. rear 174½ Grinnell, shoemaker
Pease William W. 234 Shawmut av, machinist
Peckham Frank H. 93 So. Second, teamster
Peckham Israel H. w. s. Tobey road, blacksmith
Peirce David B. 161 Maxfield, painter
Peirce Harry M. 71 Willis, bookkeeper
Pell Walter D. 428 Kempton, janitor
Penney B. Frank, 2 Spruce, printer

Penney Edward F. 266 County, plumber
Perkins John A. 159 Hillman, roofer
Perry Samuel H. 111 Hillman, hat dealer
Peterson Zephaniah W. 434 Cottage, carpenter
Phinney Nathan D. 221 Pleasant, gents' furnishings
Phinney Otis B. 84 Elm, clerk
Pierce Erskine H. 50 Fifth, mill supplies
Pierce Lloyd D. 122 Acushnet av, accountant
Piper Augustus D. 153 Elm, city messenger
Plummer Walter E. 29 Willis, clerk
Pool Arthur T. Plainville road, teamster
Pool Willard G. 232 Shawmut av, carpenter
Pope Frank L. 81 School, passepartout maker
Potter Charles W. H. 209 Summer, carpenter
Potter Edwin L. 60 Dartmouth, grocer
Potter Stephen R. 479 County, clerk
Priaulx Peter, 177 Arnold, gardener
Price Charles R. 15 Eighth, treas. N. B. Gas & Edison Electric Light Co.
Proulx Joseph, 26 Reynolds, druggist

R

Randall Charles G. 76 So. Sixth, lumber dealer
Raymond Calvin, Jr. 104 Smith, expressman
Raymond Charles, 85 Sycamore, milk dealer
Raymond Josiah K. 65 Chestnut, retired
Reed Edmund A. 103 Sycamore, driver
Reed Leander, 3 Bay, machinist
Remington Emerald A. 19 Ashland, painter
Remington John G. 73 Linden, carpenter
Rexford George P. 68 School, machinist
Reynolds Alonzo F. 50 Durfee, car inspector
Reynolds Edward G. 210 Pleasant, livery stable
Rice Adoniram J. 58 Washington, baker

Richards George D. 61 Fifth, house furnishings
Richards William D. 61 Fifth, stable keeper
Richardson John T. 93 Fourth, medicines
Ricketson Levi, 109 Potomska, yachtsman
Ricketson Orion, 164 State, plumber
Riley John S. 162 Chancery, rope maker
Riley Peter J. 109 Austin, boots and shoes
Robbins William S. 626 County, carpenter
Robinson Anthony, 239 Fourth, cigar manufacturer
Robinson William, 400 Pleasant, packer
Roseberry Joseph W. 8 Marvin, loom fixer
Roy Arthur, 159 Coggeshall, teamer
Ruggles John A. Jr. 145 Summer, salesman
Russell James A. 37 Parker, grocer
Russell James B. 90 Elm, book agent
Russell John A. w. side Tobey road, farmer
Russell Pardon, Jr. n. s. Hathaway road, ice dealer
Ryan Edward T. 958 County, druggist

S

Sadler George H. 115 Grinnell, carriage trimmer
Sanders Henry V. 208 Pleasant, real estate agent
Sanford Isaac T. 168 Fourth, foreman
Savage John, 688 Purchase, confectionery
Sawtelle Frank C. 315 Pleasant, crockery dealer
Saxon George E. 628 Purchase, retired
Sayer William L. 88 Willis, editor
Scammons Joseph H. 297 Austin, gardener
Schuler Jacques, 33 Sycamore, shoe dealer
Schwall James B. 25 Bonney, druggist
Searell Charles T. 59 Kempton, carpenter
Searles Mortimer, 190 Acushnet av, rubber stamps
Serpa Charles A. 48 So. Sixth, clerk
Shaw Charles F. 395 Purchase, assessor

Shaw Elmer H. 71 Fourth, variety store
Shaw Stephen E. 94 State, bookkeeper
Sherman James H. 10 Eighth, plumber
Sherman James L. 43 Mill, lumber dealer
Sherman John D. 24 Vine, collector
Shurtleff Israel H. 252 County, druggist
Sisson Joseph S. 57 Cottage, retired
Slade Caleb, 950 Acushnet av, grocer
Slocum Francis R. 5 Maple, furniture dealer
Small Lewis C. 610 County, grocer
Smith Abbott P. 8 Lincoln, real estate
Smith Alexander T. 89 Mill, clerk
Smith Emerson, 83 Linden
Smith George, 133 Grinnell, mill overseer
Smith Henry W. 27 Seventh, photographer
Smith Hoyland, 229 Acushnet av, bicycle dealer
Smith James, 91 County, spinner
Smith John, 276 Coggeshall, weaver
Smith Nathaniel C. 597 County, architect
Smith Shubael D. Jr. 81 Mill, clerk
Smith William E. 9 Arch, dye house
Sowle Forrest B. 60 Fourth, bookkeeper
Sowle Frederick A. 11 Florence, manufacturer
Sowle Frederick L. 26 Sycamore, hardware
Spooner Albert F. e. s. Tobey road, carpenter
Spooner Arthur C. 28 Spring, clerk
Spooner John A. 2d, e. s. Tobey road, carpenter
Spooner Roswell, e. side Tobey road, farmer
Spooner William E. 179 Fourth, Nut & Lock Co.
Stanley Ned A. 80 State, dentist
Stedman Lewis W. 104 Fifth, insurance agent
Stetson George R. 67 Bedford, Pres. Gas Co.
Stevens Henry A. Rockdale av, painter
Stirritt John H. 104 No. Ash, tinsmith
Stone Francis H. 35 Arnold, master mariner

Stowell Alexander T. e. s. Rockdale av, shoemaker
Stubbs Charles M. 492 Kempton, mariner
Studley Alfred G. 5 Foster, bookkeeper
Swift Anderson H. 74 South, carriage trimmer
Swift Edward B. 38 Willis, florist
Swift Ezra J. 18 Campbell, yeast dealer
Swift George B. 83 Mill, clothing dealer
Swift John F. 369 Purchase, accountant
Swift Thatcher S. 118 So. Sixth, livery stable
Sylvia Anthony L. 89 So. Sixth, merchant
Sylvia Frank B. 39 Howland, glass worker

T

Taber Arthur K. 141 Summer, clerk
Taber Edward C. e. s. Acushnet av, grocer
Taber Robert W. 48 Fifth, bookseller
Taylor George A. 189½ Grinnell, laborer
Taylor John W. 195 Acushnet av, machinist
Taylor William H. 128 Fourth, machinist
Thompson James O. 80 Willis, express messenger
Thompson Thomas, 136 No. Second, marble worker
Thomson Pardon G. 10 So. Sixth, merchant
Thorley Francis, 515 Rivet, carpenter
Tilden Andrew, cottage and Bedford, confectioner
Tilden Horace, 65 Fifth, confectioner
Tillinghast Theodore F. 37 Eighth, retired
Tilton Charles C. 396 Purchase, bookkeeper
Tinkham Elisha B. 75 Chestnut, shoe manufacturer
Tinkham Otis, 362 Cedar, shoemaker
Tobey Warren P. 39 Locust, publisher
Toomey Dennis H. 12 Linden, clerk
Tourtellot William E. 65 Walden, printer
Tripp Alonzo B. 280 Acushnet av, carriage maker
Tripp Andrew W. Ashland, shoemaker

Tripp Augustus C. Ashland cor. Linden, grocer
Tripp Christopher B. 12 Sherman, blacksmith
Tripp Edwin I. Kempton and Florence, butcher
Tripp Eliphalet A. 97 Willis, agent
Tripp Frank G. 82 State, laundry
Tripp James H. 10 Allen, retired
Tripp Thomas B. 37 Allen, real estate agent
Truman George H. 2 Ashland place, loomfixer
Tucker William A. 27 Seventh, no occupation
Tuell Frank P. P. 302 County, market
Turner Elbridge A. Hathaway road, shoemaker

U

Underwood Arthur P. 48 Mill, clerk

V

Vaughan Harry C. 61 Borden, britania worker
Viall Walter G. Corson block, County, grocer
Vinal Charles H. 56 Foster, accountant

W

Wade Joseph B. 83 Willis, merchant
Waite Charles H. 15 Campbell, real estate dealer
Waite Stephen E. 373 Purchase, paper hanger
Walker William H. 6 Sears, carpenter
Warren David, 255 State, livery stable
Warren Joseph C. 182 Cove, carpenter
Washburn Alanson R. 338 Cedar, grocer
Wasburn Francis P. w. s. Tobey road, carpenter
Washburn George E. w. s. Tobey road, mechanic
Waterman William H. 9 Arch, retired
Watkins James B. 38 Russell, retired
Weaver Thomas H. 1125 Acushnet av, carpenter
Wentworth Frank W. 74 Walnut, merchant

Wentworth Hiram W. 74 Walnut, merchant
West William F. 102 Durfee, painter
Whalley Edmund J. 74 Washington, salesman
Wheaton Ernest A. 324 Union, bottler
Whitehead William, 127 Coggeshall, shoemaker
Whiting Edward B. 39 Lincoln, merchant
Whittaker Benjamin, 405 Pleasant, motorman
Whittaker Edwin, 140 State, agent
Whittaker Henry, 643 Purchase, section hand
Wilbur Harry D. 117 Willis, carpenter
Wilbur Noah H. e. s. Tobey road, lumber dealer
Wilcox Charles A. 274 Cedar, carpenter
Wilde Albert, 441 Pleasant, newsdealer
Wilde Cyrus, 181 Shawmut av, mule spinner
Williams Manuel A. 25 Winsor, clerk
Wilson Daniel W. 43 Foster, retired
Wilson William P. Shawmut av. merchant
Wing Charles F. 37 So. Sixth, merchant
Wing Charles H. 133 Chestnut, agent
Wing John, 24 So. Sixth, merchant
Winter Richmond C. 1 Fair, machinist
Wood Edwin B. 95 Washington, clerk
Wood George, 77 Fourth, plumber
Wood George R. 57 Fourth, lumber dealer
Wood James Augustus, 91 State, carriage maker
Wood William G. 100 Bedford, merchant
Wood William H. 408 County, merchant
Wrigley James, 280 Sawyer, overseer

Y

York George A. 70 Russell, insurance agent
Young James A. 63 No. Second, bookkeeper

1898 — CITY DOCUMENT No. 18.

CITY OF NEW BEDFORD.

ORDINANCES.

In the Year One Thousand Eight Hundred and Ninety-Eight.

AN ORDINANCE

AMENDING THE ORDINANCE DEFINING THE DUTIES OF THE CITY ENGINEER.

Be it Ordained by the City Council of the City of New Bedford as follows:

SECTION 1. Section 6 of Chapter XXVI. of the Ordinances of 1896, entitled Defining Duties of City Engineer, is hereby amended by striking out in the fourth and fifth lines the words "joint standing committee on roads, bridges and sewers," and inserting in place thereof the word "Mayor," so as to read as follows: Section 6—The City Engineer may from time to time employ such assistants as he shall require in the performance of his duties, with the consent and under the direction of the Mayor,

and may expend such sums for materials or incidental expenses as may be necessary; provided, however, that all such expenditures for the employment of assistants and for materials and other incidental expenses, and all contracts for the same, shall be limited to the amount actually appropriated by the City Council to the Engineering Department.

SECTION 2. Section 7 of said Chapter is also amended by striking out in the third and fourth lines the words "chairman of the committee on roads, bridges and sewers," and inserting in place thereof the word "Mayor," so as to read as follows: Section 7—All expenditures in connection with the Engineering Department shall be examined and certified to by the City Engineer and approved by the Mayor. The committee of audit shall not certify or approve any account or claim against the city for surveying or civil engineering work other than those approved as above, unless the same is especially authorized by vote of the City Council, or provided for by some special appropriation.

SECTION 3. This ordinance shall take effect upon its passage.

IN BOARD OF ALDERMEN, January 27, 1898.
Passed to be ordained.
CHARLES S. ASHLEY, Mayor.

IN COMMON COUNCIL, 3 mo. 10, 1898.
Passed to be ordained.
STEPHEN A. BROWNELL, President.

Approved March 14, 1898.
CHARLES S. ASHLEY, Mayor.

A true copy. Attest:
D. B. LEONARD, City Clerk.

In the Year Eighteen Hundred and Ninety-Eight.

AN ORDINANCE

AMENDING CHAPTER XL OF THE ORDINANCES OF THE CITY OF NEW BEDFORD.

Be it Ordained by the City Council of the City of New Bedford as follows:

SECTION 1. Section XL. of the Ordinances of the city, entitled "Committees," is hereby amended by striking out the words "a committee on roads, bridges and sewers."

SECTION 2. This ordinance shall take effect upon its passage.

IN BOARD OF ALDERMEN, January 27, 1898.
Passed to be ordained.
CHARLES S. ASHLEY, Mayor.

IN COMMON COUNCIL, 3 mo. 10, 1898.
Passed to be ordained.
STEPHEN A. BROWNELL, President.

Approved March 14, 1898.
CHARLES S. ASHLEY, Mayor.

A true copy. Attest:
D. B. LEONARD, City Clerk.